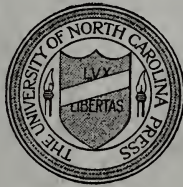


MARCH, 1923

NUMBER 200

THE UNIVERSITY OF NORTH CAROLINA RECORD



**THE CATALOGUE
1922-1923**

**ANNOUNCEMENTS
1923-1924**

THE UNIVERSITY OF NORTH CAROLINA PRESS

Issued eight times a year from December to July

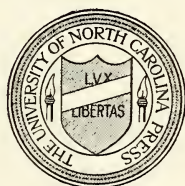
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CHAPEL HILL, N. C.

The catalogue, issued in the spring of each year, is intended to give such a description of the work of the University and such a digest of its rules as are needed by students. Neither the courses announced nor the rules given are valid beyond the succeeding year, for before the end of the succeeding year a new catalogue will have been issued, superseding all previous catalogues. Ordinarily a student may expect to be allowed to secure a degree in accordance with the requirements of the curriculum laid down in the catalogue in force when he first entered the University, or in any one subsequent catalogue published while he is a student; but the faculty reserves the right to make changes in curricula, as in rules, at any time when in its judgment such changes are for the best interests of the students and the University.

THE UNIVERSITY OF NORTH CAROLINA

THE ONE HUNDRED AND TWENTY-
NINTH SESSION



The Catalogue
1922-1923

ANNOUNCEMENTS FOR
1923-1924

1923

JANUARY	APRIL	JULY	OCTOBER
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1924

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CALENDAR

1923

<i>June 10-13</i>	<i>Sunday to Wednesday.</i> Commencement
<i>June 15-August 17</i>	Summer Law School.
<i>June 18-July 28</i>	Summer School, First Term.
<i>July 27-September 7</i>	Summer School, Second Term.
<i>September 12-15</i>	<i>Wednesday to Saturday.</i> Examinations for Removal of Conditions. Entrance Examinations.
<i>September 18-19</i>	<i>Monday and Tuesday.</i> Registration for Fall Quarter.
<i>September 20</i>	<i>Thursday.</i> Fall Quarter begins.
<i>October 12</i>	<i>Friday.</i> University Day.
<i>November 28</i>	<i>Wednesday.</i> Thanksgiving Recess begins (1:30 P. M.)
<i>December 3</i>	<i>Monday.</i> Thanksgiving Recess ends (8:30 A. M.)
<i>December 17</i>	<i>Monday.</i> Fall Quarter Examinations begin.
<i>December 21</i>	<i>Friday.</i> Fall Quarter ends. Christmas Recess begins.

1924

<i>January 2-3</i>	<i>Wednesday and Thursday.</i> Registration for Winter Quarter
<i>January 4</i>	<i>Friday.</i> Winter Quarter begins.
<i>March 17</i>	<i>Monday.</i> Winter Quarter Examinations begin.
<i>March 21</i>	<i>Friday.</i> Winter Quarter ends.
<i>March 22</i>	<i>Saturday.</i> Spring Quarter begins. Registration for Spring Quarter completed.
<i>April 21</i>	<i>Monday.</i> Easter Recess begins (8:30 A. M.)
<i>April 28</i>	<i>Monday.</i> Easter Recess ends (8:30 A. M.)
<i>May 10</i>	Selection of Commencement Orators.
<i>June 2</i>	<i>Monday.</i> Spring Quarter Examinations begin.
<i>June 6</i>	<i>Friday.</i> Spring Quarter ends.
<i>June 8</i>	<i>Sunday.</i> Baccalaureate Sermon. Sermon before the Y. M. C. A.
<i>June 9</i>	<i>Monday.</i> Senior Class Day. Inter-Society Banquet and Reunions.
<i>June 10</i>	<i>Tuesday.</i> Alumni Day. Meeting of Board of Trustees.
<i>June 11</i>	<i>Wednesday.</i> Commencement Day.

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PART ONE—OFFICERS

**BOARD OF TRUSTEES
OFFICERS OF ADMINISTRATION
OFFICERS OF INSTRUCTION
FACULTY COMMITTEES**

TRUSTEES

CAMERON MORRISON, GOVERNOR, President *ex officio* of
the Board of Trustees.

EUGENE CLYDE BROOKS, SUPERINTENDENT OF PUBLIC
INSTRUCTION, member *ex officio* of the Board of Trustees.

HENRY M. LONDON, Secretary.

MEMBERS OF THE BOARD

1923*

THOMAS CONTEE BOWIE.....	Ashe
BENNEHAN CAMERON.....	Durham
ADOLPHUS HILL ELLER.....	Forsyth
JOHN WILLIAM FRIES.....	Forsyth
GEORGE KENNETH GRANTHAM.....	Harnett
CHARLES FELIX HARVEY.....	Lenoir
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JOHN C. LAMB.....	Martin
RICHARD HENRY LEWIS.....	Wake
HENRY M. LONDON.....	Wake
ADDISON GOODLOE MANGUM.....	Gaston
JAMES SMITH MANNING.....	Wake
JOHN JOHNSON PARKER.....	Mecklenburg
ROBERT LEE SMITH.....	Stanly
GEORGE SPENCER STEELE.....	Richmond
WALTER FRANK TAYLOR.....	Wayne
THOMAS DAVIS WARREN.....	Craven
JOHN KENYON WILSON.....	Pasquotank
STANLEY WINBORNE.....	Hertford

1925

DAVID COLIN BARNES.....	Hertford
WILLIAM EDMOND BREESE.....	Transylvania
PERRIN BUSBEE.....	Wake
JULIAN SHAKESPEARE CARR.....	Durham

* The legal term of office expires November 30th of the year indicated.

JOHN SOMERVILLE CUNINGHAM*	Durham
JOSEPHUS DANIELS	Wake
JAMES LESTER DELANY	Mecklenburg
WILLIAM DUNN, JR.	Craven
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AUGUSTUS WASHINGTON GRAHAM	Granville
GEORGE CHANCELLOR GREEN	Halifax
HARRY PERCY GRIER	Iredell
JOHN BRYAN GRIMES*	Pitt
LUTHER THOMPSON HARTSELL	Cabarrus
RUFUS LAFAYETTE HAYMORE	Surry
JOHN ADDISON HENDRICKS	Madison
JOHN WETMORE HINSDALE, JR.	Wake
FRANKLIN P. HOBGOOD	Granville
WILLIAM STAMPS HOWARD	Edgecombe
MAXCY LUTHER JOHN	Scotland
PAUL JONES LONG	Northampton
ANGUS WILTON MCLEAN	Robeson
JOHN HALL MANNING	Lenoir
JOHN ARCHIBALD PARKER	Mecklenburg
GEORGE MCNEILL ROSE	Cumberland
JAMES SPRUNT	New Hanover
GEORGE STEPHENS	Buncombe
JULIEN KNOX WARREN	Jones
LINDSAY L. WARREN	Beaufort
BAXTER BARKER WILLIAMS	Warren

1927

BENJAMIN LEONIDAS BANKS	Gates
WILLIAM HYSLOP SUMNER BURGWIN	Northampton
WILLIAM PRESTON BYNUM	Guilford
BURTON CRAIGE	Forsyth
REUBEN OSCAR EVERETT	Durham
JOHN WASHINGTON GRAHAM	Orange
JAMES LEE HYATT	Yancey
BENJAMIN KITTRELL LISSITER	Granville
STAHLE LINN	Rowan
FRANK A. LINNEY	Watauga

* Deceased.

JACOB ELMER LONG.....	Durham
WALTER MURPHY.....	Rowan
HENRY ALLISON PAGE.....	Moore
EDGAR WALKER PHARR.....	Mecklenburg
TASKER POLK.....	Warren
ROBERT BURWELL REDWINE.....	Union
ALEXANDER ABEL SHUFORD, JR.....	Catawba
CHARLES LEE SMITH.....	Wake
EUGENE JACKSON TUCKER.....	Person
ZEB VANCE WALSER.....	Davidson
LESLIE WEIL.....	Wayne
CHARLES WHEDBEE.....	Perquimans
JOHN NESTOR WILSON.....	Guilford
FRANCIS DONNELL WINSTON.....	Bertie
ALBERT EDGAR WOLTZ.....	Gaston

1929

THOMAS HALL BATTLE.....	Nash
JAMES McENTIRE CARSON.....	Rutherford
FREDERICK JACKSON COXE.....	Anson
WILLIE REID DALTON.....	Rockingham
CLAUDIUS DOCKERY.....	Montgomery
RUFUS ALEXANDER DOUGHTON.....	Alleghany
WILLIAM NASH EVERETT.....	Richmond
JAMES THOMAS EXUM.....	Green
EPHRAIM LASH GAITHER.....	Davie
THOMAS JACKSON GOLD.....	Guilford
JAMES ALEXANDER GRAY.....	Forsyth
JOHN SPRUNT HILL.....	Durham
CHARLES ANDREW JONAS.....	Lincoln
JOSIAH CRUDUP KITTRELL.....	Vance
JOHN HENRY McMULLAN, JR.....	Chowan
JULIAN SMITH MANN.....	Hyde
HAYWOOD PARKER.....	Buncombe
JOHN HENRY PEARSON, JR.....	Burke
WILLIE MANGUM PERSON.....	Franklin
AUGUSTUS HOBSON PRICE.....	Rowan
JAMES DICK PROCTOR.....	Robeson
ALFRED MOORE SCALES.....	Guilford

DORMAN THOMPSON.....	Iredell
GRAHAM WOODWARD.....	Wilson
CLEMENT GILLESPIE WRIGHT.....	Guilford

COMMITTEES OF THE TRUSTEES

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CAMERON MORRISON, *ex officio*, ChairmanHENRY M. LONDON, *ex officio*, Secretary

*1923: W. N. EVERETT, W. P. BYNUM, J. S. CARR,
JOSEPHUS DANIELS, A. M. SCALES.

*1924: E. C. BROOKS, CLAUDIUS DOCKERY, J. W. GRAHAM,
LESLIE WEIL, WALTER MURPHY.

*1925: R. H. LEWIS, C. L. SMITH, CHARLES WHEDBEE, J.
S. MANNING, F. D. WINSTON.

Visiting Committee

*1923: W. M. PERSON, THOMAS H. BATTLE.

*1924: Z. V. WALSER, STANLEY WINBORNE.

*1925: W. E. BREESE, G. A. HOLDERNESS.

* Term expires.

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

HARRY WOODBURN CHASE, Ph.D., LL.D., President.
WALTER DALLAM TOY, M.A., Secretary of the Faculty.
CHARLES THOMAS WOOLLEN, Business Manager.
JULIUS ALGERNON WARREN, Treasurer and Bursar.
THOMAS JAMES WILSON, JR., Ph.D., Registrar.
GEORGE KENNETH GRANT HENRY, Ph.D., Assistant Registrar.
FRANCIS FOSTER BRADSHAW, A.B., Dean of Students.
MRS. MARVIN HENDRIX STACY, Adviser to Women.
ROBERT ALLISON FETZER, B.S., M.A., Director of Athletics.

THE COLLEGES AND SCHOOLS

JAMES FINCH ROYSTER, Ph.D., Dean of the College of Liberal Arts.
ANDREW HENRY PATTERSON, A.M., Dean of the School of Applied Science.
*MARCUS CICERO STEPHENS NOBLE, Dean of the School of Education.
NATHAN WILSON WALKER, Ed.M., Acting-Dean of the School of Education.
DUDLEY DEWITT CARROLL, M.A., Dean of the School of Commerce.
EDWIN GREENLAW, Ph.D., Dean of the Graduate School.
LUCIUS POLK MCGEHEE, A.B., Dean of the School of Law.
ISAAC HALL MANNING, M.D., Dean of the School of Medicine.
EDWARD VERNON HOWELL, A.B., Ph.G., Dean of the School of Pharmacy.
GUSTAVE MAURICE BRAUNE, C.E., Dean of the School of Engineering.
HOWARD WASHINGTON ODUM, Ph.D., Director of the School of Public Welfare.

THE LIBRARY

LOUIS ROUND WILSON, Ph.D., Librarian.
CHARLES MELVILLE BAKER, A.M., B.L.S., Assistant Librarian.

* Temporarily relieved of administrative duties.

CORNELIA SPENCER LOVE, A.B., B.L.S., In charge of Orders and Accessions.

MILDRED COOPER, A.B., B.S., Cataloger.

MARY LINDSAY THORNTON, In charge of the North Carolina Collection.

ALMA IRENE STONE, A.B., In charge of Periodicals and Bindings.

NELL BLAIR, In charge of Circulation.

KATHERINE GALLOWAY BATTS, A.B., Accessioner.

EDWIN CLYDE HUNT, Student Assistant.

ROY EUGENE BROWN, Student Assistant.

DALMA ADOLPH BROWN, Student Assistant.

JOSEPH VON WILSON, Student Assistant.

CHALMERS BENJAMIN YARLEY, Student Assistant.

EARL HORACE HARTSELL, Student Assistant.

SYBIL BARRINGTON, Student Assistant.

THE SUMMER SCHOOL

NATHAN WILSON WALKER, A.M., Director.

THE EXTENSION DIVISION

CHESTER DEFOREST SNELL, B.H., B.S., Director.

EDGAR RALPH RANKIN, A.M., Associate Director.

THE GYMNASIUM

ROBERT BAKER LAWSON, M.D., Director.

THORNTON PATTON GHOLSON, Assistant in the Gymnasium.

CHARLES EDWARDS SPENCER, Assistant in the Gymnasium.

ALBERT SHAPIRO, Ph.D., Instructor in Wrestling.

THE INFIRMARY

ERIC ALONZO ABERNETHY, S.B., M.D., University Physician.

FLORA M. RICE, R. N., Head Nurse.

EDNA GRAY WOMACK, R.N., Assistant Nurse.

YOUNG MEN'S CHRISTIAN ASSOCIATION

HARRY FULCHER COMER, B.S., General Secretary.

OFFICERS OF INSTRUCTION

HARRY WOODBURN CHASE, Ph.D., LL.D., President.

A. B., Dartmouth College, 1904; A. M., *ibid.*, 1908; Director of the Clinic for Subnormal Children, Clark University, 1909-1910; Ph.D., *ibid.*, 1910; Professor of Psychology, University of North Carolina, 1910-1919; Acting Dean of the College of Liberal Arts, *ibid.*, October, 1918-January, 1919; Chairman of the Faculty, *ibid.*, January, 1919-June, 1919; President, *ibid.*, 1919—; LL.D., Lenoir College (N. C.), 1920; LL.D., Wake Forest College, 1920.

FRANCIS PRESTON VENABLE, Ph.D., D.Sc., LL.D., Kenan Professor of Chemistry.

Student, University of Virginia, 1874-1879; University of Bonn, 1879-1880; A.M., Ph.D., University of Goettingen, 1881; Student, University of Berlin, 1889; LL.D., University of Pennsylvania, 1901; D.Sc., Lafayette College, 1902; LL.D., University of South Carolina, 1905; LL.D., University of Alabama, 1906; LL.D., Jefferson Medical College, 1913; Professor of Chemistry, University of North Carolina, 1880-1918; President, *ibid.*, 1900-1914; Kenan Professor of Chemistry, *ibid.*, 1918—.

WALTER DALLAM TOY, M.A., Professor of the Germanic Languages and Literatures.

M.A., University of Virginia, 1882; Student, University of Leipzig, 1882-1883; University of Berlin, 1883-1885; College de France, 1885; Professor of the Germanic Languages and Literatures, University of North Carolina, 1885—; Student, University of Berlin, 1910-1911.

WILLIAM CAIN, A.M., LL.D., D.Sc., Kenan Professor Emeritus of Mathematics.

A.M., North Carolina Military Polytechnic Institute, 1866; Professor of Mathematics and Engineering, Carolina Military Institute, 1874-1879; Professor of Mathematics and Engineering, South Carolina Military Academy, 1882-1889; Professor of Mathematics, University of North Carolina, 1889-1918; Kenan Professor of Mathematics, *ibid.*, 1918-1920; LL.D., The University of South Carolina, 1916; Kenan Professor Emeritus of Mathematics, University of North Carolina, 1920—; D.Sc., *ibid.*, 1921.

HENRY HORACE WILLIAMS, A.M., B.D., Kenan Professor of Philosophy.

A.B., A.M., University of North Carolina, 1883; Professor of Greek and German, Trinity College (N. C.), 1885; B.D., Yale University, 1888; Fellow, Harvard University, 1889; Professor of Philosophy, University of North Carolina, 1890-1920; Kenan Professor of Philosophy, *ibid.*, 1920—.

HENRY VAN PETERS WILSON, Ph.D., Kenan Professor of Zoology.

A. B., Johns Hopkins University, 1883; Fellow, *ibid.*, 1887-1889; Ph.D., *ibid.*, 1888; Professor of Biology, University of North Carolina, 1891-1904; Student, University of Berlin, 1902-1903; Professor of Zoology, University of North Carolina, 1904-1918; Kenan Professor of Zoology, *ibid.*, 1918—.

COLLIER COBB, A.M., D.Sc., Professor of Geology and Mineralogy.

A.B., Harvard University, 1889; A.M., *ibid.*, 1894; Assistant in Geology, *ibid.*, 1888-1890; Instructor in Geology, Massachusetts Institute of Technology, 1890-1892; Instructor in Geology, Harvard Summer School, 1891; Assistant Professor of Geology, University of North Carolina, 1892-1893; Professor of Geology and Mineralogy, *ibid.*, 1893—; D.Sc., Wake Forest College, 1917.

CHARLES STAPLES MANGUM, A.B., M.D., Professor of Anatomy.

A.B., University of North Carolina, 1891; M.D., Jefferson Medical College, 1894; Assistant and Demonstrator, *ibid.*, 1894-1895; Graduate Student, University of Chicago, 1906; Professor of Anatomy, University of North Carolina, 1896—; Student, Harvard University, 1912 and 1913.

EDWARD VERNON HOWELL, A.B., Ph.G., Professor of Pharmacy and Dean of the School of Pharmacy.

A.B., Wake Forest College, 1892; Ph.G., Philadelphia College of Pharmacy, 1894; Professor of Pharmacy and Dean of the School of Pharmacy, University of North Carolina, 1897—.

MARCUS CICERO STEPHENS NOBLE, Professor of Pedagogy and Dean of the School of Education.

Student, Davidson College and University of North Carolina; Commandant, Bingham School, 1880-1883; Superintendent of Schools, Wilmington, N. C., 1883-1898; Professor of Pedagogy, University of North Carolina, 1898—; Dean of the School of Education, *ibid.*, 1913—.

ISAAC HALL MANNING, M.D., Professor of Physiology and Dean of the School of Medicine.

Student, University of North Carolina, 1882-1886; Assistant in Chemistry, *ibid.*, 1886; M.D., Long Island College of Medicine, 1897; Graduate Student, University of Chicago, 1901, 1903; Harvard University, 1902, 1906; Professor of Physiology, University of North Carolina, 1901—; Dean of the School of Medicine, *ibid.*, 1905—.

GEORGE HOWE, Ph.D., Professor of the Latin Language and Literature.

A.B., Princeton University, 1897; A.M., Ph.D., University of Halle, 1903; Student, Oxford University, 1903; Professor of the Latin Language and Literature, University of North Carolina, 1903—; Student, American School of Classical Studies at Rome, 1912-1913; Dean of the College of Liberal Arts, University of North Carolina, 1919-1922.

JOSEPH HYDE PRATT, Ph.D., Professor of Economic Geology.

Ph.B., Yale University, 1893; Assistant in Chemistry, *ibid.*, 1894; Assistant in Mining, *ibid.*, 1895; Instructor in Mining, Harvard Summer School, 1895; Ph.D., Yale University, 1896; Instructor in Mineralogy, *ibid.*, 1896-1897; Lecturer on Economic Geology, University of North Carolina, 1899-1904; Professor of Economic Geology, *ibid.*, 1904—; State Mineralogist, 1897-1906; State Geologist, 1906—.

NATHAN WILSON WALKER, A.B., Ed.M., Professor of Secondary Education, Director of the Summer School, and Acting Dean of the School of Education.

A.B., University of North Carolina, 1903; Superintendent of Schools, Ashboro, N. C., 1903-1905; State Inspector of Public High Schools, 1905-1920; Ed.M., Harvard University, 1921; Professor of Secondary Education, University of North Carolina, 1905—, Acting Dean of the School of Education, *ibid.*, 1921—.

WILLIAM DEBERNIERE MACNIDER, M.D., Kenan Professor of Pharmacology.

Assistant in Biology, University of North Carolina, 1899-1900; Assistant in Anatomy, *ibid.*, 1900-1901; M.D., *ibid.*, 1903; Student, University of Chicago, 1906, 1907, 1908; Professor of Pharmacology, University of North Carolina, 1905-1918; Kenan Professor of Pharmacology, *ibid.*, 1918—.

WILLIAM CHAMBERS COKER, Ph.D., Kenan Professor of Botany.

B.S., University of South Carolina, 1894; Ph.D., Johns Hopkins University, 1901; Student, University of Bonn, 1901-1902; As-

sociate Professor of Botany, University of North Carolina, 1902-1908; Professor of Botany, *ibid.*, 1908-1920; Kenan Professor of Botany, *ibid.*, 1920—.

ARCHIBALD HENDERSON, Ph.D., D.C.L., LL.D., Professor of Mathematics.

A.B., University of North Carolina, 1898; A.M., *ibid.*, 1899; Instructor in Mathematics, *ibid.*, 1898-1902; Student University of Chicago, 1901; Ph.D., University of North Carolina, 1902; Fellow and Tutor in Mathematics, University College and University of Chicago, 1902-1903; Associate Professor of Mathematics, University of North Carolina, 1902-1908; Professor of Pure Mathematics, *ibid.*, 1908-1921; Professor of Mathematics, *ibid.*, 1921—; Student, Cambridge University, University of Berlin, the Sorbonne, 1910-1911; Ph.D., University of Chicago, 1915; D.C.L., The University of the South, 1917; LL.D., Tulane University, 1922.

JOSEPH GREGOIRE DEROULHAC HAMILTON, Ph.D., Kenan Professor of History and Government.

M.A., University of the South, 1900; Ph.D., Columbia University, 1906; Associate Professor of History, University of North Carolina, 1906-1908; Alumni Professor of History, *ibid.*, 1908-1920; Kenan Professor of History and Government, *ibid.*, 1920—.

ANDREW HENRY PATTERSON, A.M., Professor of Physics and Dean of the School of Applied Science.

Ph.B., B.E., University of North Carolina, 1891; A.B., Harvard University, 1892; A.M. *ibid.*, 1893; Instructor in Physics, University of Georgia, 1894-1897; Adjunct Professor of Physics and Electrical Engineering, *ibid.*, 1897-1898; Professor of Physics and Astronomy, *ibid.*, 1898-1908; Student, University of Berlin and Charlottenburg Technische Hochschule, 1905-1906; Student, Cambridge University, 1906; Professor of Physics, University of North Carolina, 1908—; Dean of the School of Applied Science, *ibid.*, 1911—.

HENRY MCGILBERT WAGSTAFF, Ph.D., Professor of History.

Ph.B., University of North Carolina, 1899; Professor of Mathematics, Rutherford College (N. C.), 1900-1902; Ph.D., Johns Hopkins University, 1906; Acting Professor of Economics and History, Allegheny College, 1906-1907; Associate Professor of History, University of North Carolina, 1907-1909; Professor of History, *ibid.*, 1909—; Graduate Student, University of London, 1921-1922.

PATRICK HENRY WINSTON, Professor of Law.

Student, University of Texas, 1898-1899; University of North Carolina, 1899-1900; Graduate, United States Military Academy,

1905; Student, University of North Carolina School of Law, 1905; Professor of Law, *ibid.*, 1909—; Student, University of Michigan, 1910.

WILLIAM MORTON DEY, Ph.D., Professor of the Romance Languages and Literatures.

B.A., M.A., University of Virginia, 1902; Student in Paris, 1903; A.M., Harvard University, 1904; Austin Teaching Fellow, *ibid.*, 1905-1906; Ph.D., *ibid.*, 1906; Student in Spain and Italy, 1906; Assistant Professor of Romance Languages, University of Missouri, 1906-1909; Professor of Romance Languages, University of North Carolina, 1909—; Student at the Sorbonne and College de France, 1920-1921.

LUCIUS POLK MCGEHEE, A.B., Professor of Law and Dean of the School of Law.

A.B., University of North Carolina, 1887; Student, School of Law, *ibid.*, 1890-1891; Professor of Law, *ibid.*, 1904-1909; Professor of Law and Dean of the School of Law, *ibid.*, 1910—.

ATWELL CAMPBELL MCINTOSH, A.M., Professor of Law.

A.B., Davidson College, 1881; A.M., *ibid.*, 1887; Professor of Law, Trinity College (N. C.), 1904-1910; Professor of Law, University of North Carolina, 1910—.

ALVIN SAWYER WHEELER, Ph.D., Professor of Organic Chemistry.

A.B., Beloit College, 1890; Student, University of Chicago, 1895; Student, Cornell University, 1897; A.M., Harvard University, 1897; Assistant in Chemistry, *ibid.*, 1897-1900; Ph.D., *ibid.*, 1900; Associate Professor of Chemistry, University of North Carolina, 1900-1912; Student, University of Berlin, University of Bonn, Swiss Federal Polytechnic, 1910-1911; Professor of Organic Chemistry, University of North Carolina, 1912—.

LOUIS ROUND WILSON, Ph.D., Kenan Professor of Library Administration.

A.B., University of North Carolina, 1899; Librarian, *ibid.*, 1901—; A.M., *ibid.*, 1902; Ph.D., *ibid.*, 1905; Associate Professor of Library Administration, *ibid.*, 1908-1912; Student, Columbia University, 1910; Professor of Library Administration, University of North Carolina, 1912-1920; Director of the Bureau of Extension, *ibid.*, 1914-1921; Kenan Professor of Library Administration, *ibid.*, 1920—.

PARKER HAYWOOD DAGGETT, S.B., Professor of Electrical Engineering.

Assistant in Electrical Engineering, Harvard University, 1908-1909; S.B., *ibid.*, 1910; Acting Professor of Electrical Engineering, University of North Carolina, 1910; Associate Professor of Electrical Engineering, *ibid.*, 1910-1913; Professor of Electrical Engineering, *ibid.*, 1913—; Acting Dean of the School of Applied Science, *ibid.*, 1915-1916.

JAMES MUNSIE BELL, Ph. D., Smith Professor of Chemistry.

B.A., University of Toronto, 1902; M.A., *ibid.*, 1905; Assistant in Chemistry, Cornell University, 1902-1903; Graduate Scholar in Chemistry, *ibid.*, 1903-1904; Sage Fellow in Chemistry, *ibid.*, 1904-1905; Ph.D., *ibid.*, 1905; Associate Professor of Physical Chemistry, University of North Carolina, 1910-1913; Professor of Physical Chemistry, *ibid.*, 1913-1919; Smith Professor of Chemistry, *ibid.*, 1919—.

EDWIN GREENLAW, Ph.D., Kenan Professor of English and Dean of the Graduate School.

A.B., Northwestern University, 1897; A.M., *ibid.*, 1898; A.M., Harvard University, 1903; Ph.D., *ibid.*, 1904; Instructor in English, Northwestern University, 1898-1902, 1904-1905; Instructor in English, University of Chicago, 1904, 1907; Professor of English, Adelphi College, 1905-1913; Professor of English, University of North Carolina, 1913-1918; Kenan Professor of English, *ibid.*, 1918—; Dean of the Graduate School, *ibid.*, 1920—.

JAMES BELL BULLITT, A.M., M.D., Professor of Pathology.

A.B., Washington and Lee University, 1894; A.M., *ibid.*, 1895; M.D., University of Virginia, 1897; Demonstrator of Anatomy, *ibid.*, 1898-1903; Professor of Anatomy and Pathology, University of Mississippi, 1903-1913; Professor of Histology and Pathology, University of North Carolina, 1913-1920; Professor of Pathology, *ibid.*, 1920—.

THOMAS JAMES WILSON, JR., Ph.D., Registrar.

A.B., University of North Carolina, 1894; A.M., *ibid.*, 1896; Ph.D., *ibid.*, 1898; Instructor in Latin and Greek, *ibid.*, 1899-1901; Instructor in Latin, *ibid.*, 1901-1902; Student, University of Chicago, 1903, 1906; Associate Professor of Latin, University of North Carolina, 1902-1915; Registrar, *ibid.*, 1908—.

EUGENE CUNNINGHAM BRANSON, A.M., Litt.D., Kenan Professor of Rural Social Economics.

A.M., Trinity College (N. C.), 1894; A.M., Peabody Normal College (Tenn.), 1899; President, Georgia State Normal School,

1900-1912; Professor of Rural Economics and Sociology, *ibid.*, 1912-1914; Professor of Rural Economics and Sociology, University of North Carolina, 1914-1919; Litt.D., University of Georgia, 1919; Kenan Professor of Rural Economics and Sociology, University of North Carolina, 1919-1920; Kenan Professor of Rural School Economics, *ibid.*, 1920—.

DUDLEY DEWITT CARROLL, M.A., Professor of Economics and Dean of the School of Commerce.

A.B., Guilford College, 1907; A.B., Haverford College, 1908; M.A., Columbia University, 1915; Professor of History and Economics, Guilford College, 1909-1914; Assistant Professor of Economics, Hunter College, 1916-1918; Professor of Economics, University of North Carolina, 1918—; Acting Dean of the School of Commerce, *ibid.*, 1919-1920; Dean of the School of Commerce, *ibid.*, 1920—.

***FREDERICK HENRY KOCH, A.M.**, Professor of Dramatic Literature.

A.B., Ohio Wesleyan University, 1900; A.M., Harvard University, 1909; Instructor in English, University of North Dakota, 1905-1906; Assistant Professor of English, *ibid.*, 1907-1909; Associate Professor of Dramatic Literature, *ibid.*, 1909-1917; Professor of Dramatic Literature, *ibid.*, 1917-1918; Visiting Professor, University of California, Summer Session, 1910; Exchange Professor, University of Manitoba, 1918; Professor of Dramatic Literature, University of North Carolina, 1918—.

JOHN EMERY LEAR, E.E., Professor of Engineering Sciences.

B.S. in EE., Virginia Polytechnic Institute, 1901; Student Cornell University, 1901-1902; Instructor in Physics and Electrical Engineering, Texas Agricultural and Mechanical College, 1905-1907; Assistant Professor of Electrical Engineering, *ibid.*, 1907-1909; EE., *ibid.*, 1909; Associate Professor of Electrical Engineering, *ibid.*, 1909-1913; Professor of Physics, Norwich University, 1913-1914; Professor of Electrical Engineering, *ibid.*, 1913-1917; Professor of Engineering Sciences, University of North Carolina, 1918—.

NORMAN FOERSTER, A.M., Professor of English.

A.B., Harvard University, 1910; Instructor in English, Harvard Summer School, 1910, 1913; Student, Harvard University, 1910-1911; Instructor in English, University of Wisconsin, 1911-1914; A.M., *ibid.*, 1912; Associate Professor of English, University of North Carolina, 1914-1919; Professor of English, *ibid.*, 1919—; Student Oxford University, 1920-1921.

* Absent on leave. Fall quarter 1922.

JOHN GROVER BEARD, Ph.G., Professor of Pharmacy.

Assistant in Pharmacy, University of North Carolina, 1908-1909; Ph.G., *ibid.*, 1909; Instructor in Pharmacy, *ibid.*, 1909-1914; Assistant Professor of Pharmacy, *ibid.*, 1914-1917; Associate Professor of Pharmacy, *ibid.*, 1917-1919; Professor of Pharmacy, *ibid.*, 1919—.

EDGAR WALLACE KNIGHT, Ph.D., Professor of Rural Education.

A.B., Trinity College (N. C.), 1909; A.M., *ibid.*, 1911; Master in History, Trinity Park School, 1909-1911; Fellow in Education, Columbia University, 1912-1913; Ph.D., *ibid.*, 1913; Assistant Professor of Education, Trinity College (N. C.), 1913-1916; Professor of Education, *ibid.*, 1916-1917; Superintendent of Wake County Schools, 1917-1918; Professor of Rural Education, University of North Carolina, 1919—.

PAUL JOHN WEAVER, B.A., A.A.G.O., Professor of Music.

B.A., University of Wisconsin, 1911; Graduate Student, *ibid.*, 1913-1915; Director of Music, Racine College, 1911-1912; Supervisor Public School Music., Madison, Wis., 1915; Supervisor Public School Music, St. Louis, Mo., 1916-1919; A.A.G.O., University of New York, 1918; Instructor in Harmony, American Institute Normal Methods, Northwestern University Summer School, 1919; Professor of Music, University of North Carolina, 1919—.

WILLIAM FREDERICK PROUTY, Ph.D., Professor of Stratigraphic Geology.

B.S., Syracuse University, 1903; M.S., *ibid.*, 1904; Ph.D., Johns Hopkins University, 1906; Associate Professor of Geology, University of Alabama, 1906-1912; Chief Assistant, Alabama Geological Survey, 1906-1919; Professor of Geology, University of Alabama, 1912-1919; Professor of Stratigraphic Geology, University of North Carolina, 1919—.

HOWARD WASHINGTON ODUM, Ph.D., Kenan Professor of Sociology and Director of the School of Public Welfare.

A.B., Emory College, 1904; Co-Principal, Toecopola School (Miss.), 1904-1905; A.M., University of Mississippi, 1906; Instructor, *ibid.*, 1905-1908; Ph.D., Clark University, 1909; Ph.D., Columbia University, 1910; Research Expert, Philadelphia Bureau of Municipal Research, 1910-1913; Associate Professor of Educational Sociology, University of Georgia, 1913-1915; Professor of Educational Sociology and Rural Education, *ibid.*, 1915-1919; Superintendent of the University Summer School for Teachers, *ibid.*, 1916-1919; Director of Bureau of Home Serv-

ice, American Red Cross, Southern Division, 1918; Professor of Educational Sociology and Dean of the School of Liberal Arts, Emory University, 1919-1920; Kenan Professor of Sociology and Director of the School of Public Welfare, University of North Carolina, 1920—.

WILLIAM STANLEY BERNARD, A.M., Professor of Greek.

Student, Episcopal Theological Seminary (Va.), 1893-1895; A.B., University of North Carolina, 1900; Librarian, *ibid.*, 1900-1901; Instructor in Greek, *ibid.*, 1901-1906; A.M., *ibid.*, 1904; Associate Professor of Greek, *ibid.*, 1906-1920; Student, University of Chicago, 1906; Columbia University, 1909, 1910, 1911; Professor of Greek, University of North Carolina, 1920—.

JOHN MANNING BOOKER, Ph.D., Professor of English.

A.B., Johns Hopkins University, 1901; Student, *ibid.*, 1901-1903; 1905-1909; Student, University of Munich, 1904-1905; Student, University of Heidelberg, 1903-1904, 1905, 1909, 1910, 1911; Ph.D., *ibid.*, 1912; Associate Professor of English, University of North Carolina, 1909-1920; Professor of English, *ibid.*, 1920—.

***OLIVER TOWLES, Ph.D., Professor of French.**

A.B., University of Virginia, 1906; Student, Johns Hopkins University, 1906-1909; Student in France, 1908; Ph.D., Johns Hopkins University, 1912; Associate Professor of Romance Languages, University of North Carolina, 1909-1920; Professor of French, *ibid.*, 1920—.

THOMAS FELIX HICKERSON, A.M., S.B., Professor of Civil Engineering.

Ph.B., University of North Carolina, 1904; Instructor in Mathematics, *ibid.*, 1905-1908; A.M., *ibid.*, 1907; S.B., Massachusetts Institute of Technology, 1909; Student, Columbia University, 1911; Associate Professor of Civil Engineering, University of North Carolina, 1910-1920; Professor of Civil Engineering, *ibid.*, 1920—.

WILLIAM WHATLEY PIERSON, JR., Ph.D., Professor of History and Government.

A.B., University of Alabama, 1910; Teaching Fellow in English, *ibid.*, 1910-1911; A.M., *ibid.*, 1911; A.M., Columbia University, 1912; Graduate Student, *ibid.*, 1911-1913; Assistant in History, *ibid.*, 1913-1914; Instructor in History, *ibid.*, 1914-1915; Ph.D., *ibid.*, 1916; Instructor in History, University of North Carolina, 1915-1917; Assistant Professor of History, *ibid.*, 1917-1918; Associate Professor of History, *ibid.*, 1918-1920; Professor of History and Government, *ibid.*, 1920—.

* Absent on leave, 1922-1923, on the Kenan Foundation.

JOHN FREDERICK DASHIELL, Ph.D., Professor of Psychology.
B.S., Evansville College, 1908; B.L., *ibid.*, 1909; A.M., Columbia University, 1910; Assistant in Philosophy, *ibid.*, 1910-1913; Ph.D., *ibid.*, 1913; Professor of Education, Waynesburg College, 1913-1914; Instructor in Philosophy, Princeton University, 1914-1915; Instructor in Philosophy, University of Minnesota, 1915-1916; Instructor in Psychology, *ibid.*, 1916-1917; Assistant Professor of Psychology, Oberlin College, 1917-1919; Associate Professor of Psychology, University of North Carolina, 1919-1920; Professor of Psychology, *ibid.*, 1920—.

JESSE FREDERICK STEINER, Ph.D., Professor of Social Technology.

A. B., Heidelberg University (Ohio), 1901; Student, Heidelberg Theological Seminary (Ohio), 1902-1905; Professor of English Literature, North Japan College (Japan), 1905-1912; A.M., Harvard University, 1913; Ph.D., University of Chicago, 1915; Special Instructor in Practical Sociology, *ibid.*, 1915; Lecturer on Missions, McCormick Theological Seminary, 1916; Assistant Professor of Social Science, University of Cincinnati, 1917-1918; Director Educational Service, American National Red Cross, 1918-1920; Professor of Social Technology, University of North Carolina, 1920—.

STURGIS ELLENO LEAVITT, Ph.D., Professor of Spanish.

A.B., Bowdoin College, 1908; Student in France, 1911; Student, Harvard University, 1912-1913; A.M., *ibid.*, 1913; Instructor in Romance Languages, Northwestern University, 1913-1914; Instructor in Romance Languages, Harvard University, 1915-1917; Ph.D., *ibid.*, 1917; Assistant Professor of Romance Languages, University of North Carolina, 1917-1918; Associate Professor of Romance Languages, *ibid.*, 1918-1920; Sheldon Travelling Fellow (Harvard), in Peru, Bolivia, Chile, Argentina, and Uruguay, 1919-1920; Associate Professor of Spanish, University of North Carolina, 1920-1921; Professor of Spanish, *ibid.*, 1921—.

JAMES FINCH ROYSTER, Ph.D., Kenan Professor of English Philology and Dean of the College of Liberal Arts.

A.B., Wake Forest College, 1900; Student, University of Berlin, 1902-1903; Instructor in English, University of Colorado, 1904-1905; Associate in English, University of Chicago, 1905-1907; Ph.D., *ibid.*, 1907; Associate Professor of English, University of North Carolina, 1907-1909; Professor of English, *ibid.*, 1909-1914; Professor of English, University of Texas, 1914-1921; Kenan Professor of English Philology, University of North Carolina, 1921—; Dean of the College of Liberal Arts, University of North Carolina, 1922—.

ROBERT DIGGS WIMBERLEY CONNOR, Ph.B., Kenan Professor of History and Government.

Ph.B., University of North Carolina, 1899; Secretary N. C. Historical Commission, 1903-1921; Student, Columbia University, 1920-1921; Kenan Professor of History and Government, University of North Carolina, 1921—.

GUSTAVE MAURICE BRAUNE, C.E., Professor of Civil Engineering.

B.S., Spring Hill College, 1888; Student, Washington and Lee University, 1888-1889; Student, Royal Polytechnical Institute, Dresden, Saxony, 1890-1895; C.E. (Dipl. Ing.), *ibid.*, 1895; Professional practice, 1895-1912; Assistant Professor of Civil Engineering, University of Cincinnati, 1912-1914; Associate Professor of Civil Engineering, *ibid.*, 1914-1918; Professor of Civil Engineering, *ibid.*, 1918-1921; Professor of Civil Engineering, University of North Carolina, 1921—.

LOUIS GRAVES, A.B., Professor of Journalism.

A.B., University of North Carolina, 1902; Member of Staff of *New York Times*, 1903-1906; Professor of Journalism, University of North Carolina, 1921—.

THORNTON SHIRLEY GRAVES, Ph.D., Professor of English.

A.B., Texas Christian University, 1906; Ph.B., University of Chicago, 1907; Assistant Professor of English, Texas Christian University, 1908-1909; Ph.D., University of Chicago, 1912; Instructor in English, University of Washington, 1912-1913; Assistant Professor of English Trinity College (N.C.), 1913-1916; Professor of English, *ibid.*, 1916-1921; Professor of English, University of North Carolina, 1921—.

***KENT JAMES BROWN, Ph.D., Professor of German.**

A.B., Dickinson College, 1901; Ph.D., University of Pennsylvania, 1905; Student, University of Berlin, 1904-1905; Student, University of Munich, 1909-1911; Assistant in German, University of Pennsylvania, 1902-1904; Instructor in German, State University of Iowa, 1911-1912; Associate Professor of German, University of North Carolina, 1912-1922; Professor of German, 1922—.

CLAUDIUS TEMPLE MURCHISON, Ph.D., Professor of Applied Economics.

A.B., Wake Forest College, 1911; Student, Columbia University, 1913-1916; Assistant Professor of Social Science, Miami University, 1916-1918; Assistant Professor of Economics, Hunter College, 1918-1920; Ph.D., Columbia University, 1919; Assistant Pro-

* Absent on leave, 1922-1923.

fessor of Economics, New York University, 1920-1921; Associate Professor of Applied Economics, University of North Carolina, 1921-1922; Professor of Applied Economics, *ibid.*, 1922—.

ROBERT ERVIN COKER, Ph.D., Professor of Zoology.

S.B., University of North Carolina, 1896; Assistant in Biology, *ibid.*, 1895-1897; M.S., *ibid.*, 1897; Biologist, N. C. Geological Survey and Custodian U. S. Fisheries Laboratory, Beaufort, N. C., 1902-1904; Ph.D., Johns Hopkins University, 1906; Special Investigator for Peruvian Government for Guano and Fisheries Industries of Peru, 1906-1908; Scientific Assistant U. S. Bureau of Fisheries, 1909; Director, U. S. Fisheries, Biological Station, Fairport, Iowa, 1910-1915; Chief, Division of Scientific Inquiry, U. S. Bureau of Fisheries, 1915-1922; Professor of Biology, University of North Carolina, 1922—.

MARION REX TRABUE, Ph.D., Professor of Educational Administration.

A.B., Northwestern University, 1911; A.M., Teachers College, 1914; Ph.D., *ibid.*, 1915; Instructor in Educational Administration, *ibid.*, 1915-1917; Assistant Professor in Educational Administration, *ibid.*, 1917-1922; Director, Bureau of Educational Service, *ibid.*, 1919-1922; Professor of Educational Administration, University of North Carolina, 1922—.

FRANCIS FOSTER BRADSHAW, A.B., Dean of Students.

A.B., University of North Carolina, 1916; Dean of Students, *ibid.*, 1920—.

ROBERT BAKER LAWSON, M.D., Associate Professor of Anatomy.

Student, University of North Carolina, 1898-1900; M.D., University of Maryland, 1902; Instructor in Anatomy, University of North Carolina, 1905-1906; Demonstrator in Anatomy, *ibid.*, 1906-1908; Associate Professor of Anatomy, *ibid.*, 1908—.

GEORGE MCFARLAND MCKIE, A.M., Associate Professor of Public Speaking.

Graduate, Emerson College of Oratory, 1898; A.B., A.M., University of North Carolina, 1907; Student, Harvard University, 1907-1908; Instructor in English, University of North Carolina, 1899-1908; Associate Professor of Public Speaking, *ibid.*, 1908—.

JAMES TALMADGE DOBBINS, Ph.D., Associate Professor of Chemistry.

A.B., University of North Carolina, 1911; A.M., *ibid.*, 1912; Ph.D., *ibid.*, 1914; Instructor in Chemistry, North Carolina State

College of Agriculture and Engineering, 1914-1918; Associate Professor of Chemistry, University of North Carolina, 1918—.

THORNDIKE SAVILLE, A.B., C.E., Associate Professor of Hydraulic and Sanitary Engineering.

A.B., Harvard University, 1914; B.S., Dartmouth College, 1914; C.E., *ibid.*, 1915; M.S., Harvard University, 1917; M.S., Mass. Inst. Technology, 1917; Field Assistant in Surveying, Dartmouth College, Summers of 1914, 1915, 1916; Assistant in Physics, Dartmouth College, 1914-1915; Assistant in Geology, Harvard University, 1915-1917; Assistant in Sanitary Engineering, *ibid.*, 1916-1917; Associate Professor of Hydraulic and Sanitary Engineering, University of North Carolina, 1919—.

HENRY McCUNE DARGAN, Ph.D., Associate Professor of English.

A.B., Mercer University, 1910; Student, University of California, 1910-1911; Student, University of Chicago, 1911; A.M., Harvard University, 1912; Ph.D., *ibid.*, 1914; Instructor in English, University of North Carolina, 1914-1917; Assistant Professor of English, *ibid.*, 1917-1920; Associate Professor of English, *ibid.*, 1920—.

JOHN WAYNE LASLEY, JR., Ph.D., Associate Professor of Pure Mathematics.

A.B., University of North Carolina, 1910; Fellow in Mathematics, *ibid.*, 1910-1911; A.M., *ibid.*, 1911; Instructor in Mathematics, *ibid.*, 1911-1915, 1916-1918; Student, Johns Hopkins University, 1915-1916; Fellow by Courtesy in Mathematics, *ibid.*, 1915, 1916; Assistant Professor of Mathematics, University of North Carolina, 1918-1920; Student, University of Chicago, 1917, 1918, 1919, 1919-1920; Fellow in Mathematics, *ibid.*, 1919-20; Ph.D., *ibid.*, 1920; Associate Professor of Mathematics, University of North Carolina, 1920-1921; Associate Professor of Pure Mathematics, *ibid.*, 1921—.

ALLAN WILSON HOBBS, Ph.D., Associate Professor of Applied Mathematics.

A.B., Guilford College, 1907; A.B., Haverford College, 1908; Instructor in Mathematics, Guilford College, 1909-1911; Professor of Mathematics, *ibid.*, 1913-1915; Ph.D., Johns Hopkins University, 1917; Instructor in Mathematics, University of North Carolina, 1917-1919; Assistant Professor of Mathematics, *ibid.*, 1919-1920; Associate Professor of Mathematics, *ibid.*, 1920-1921; Associate Professor of Applied Mathematics, *ibid.*, 1921—.

WALTER JEFFRIES MATHERLY, M.A., Associate Professor of Business Administration.

B.A., William Jewell College, 1915; M.A., Washington University, 1916; Fellow in Economics, University of Minnesota, 1916-1917; Assistant in Political Economy, University of Chicago, 1917-1918; Professor of Economics, University of Kentucky, Summer Session, 1919; Professor of Economics, Georgetown College, (Ky.), February, 1919, to June, 1920; Associate Professor of Business Administration, University of North Carolina, 1920—.

WESLEY CRITZ GEORGE, Ph.D., Associate Professor of Histology and Embryology.

A.B., University of North Carolina, 1911; A.M., *ibid.*, 1912; Instructor in Zoology, *ibid.*, 1912-1916; Professor of Biology, Guilford College, 1916-1917; Hinton Mann Fellow, Princeton University, 1917-1918; Ph.D., University of North Carolina, 1918; Adjunct Professor of Zoology, University of Georgia, 1919; Associate Professor of Histology and Embryology, University of Tennessee College of Medicine, 1919-1920; Associate Professor of Histology and Embryology, University of North Carolina, 1920—.

ERLE EWART PEACOCK, A.B., M.B.A., Associate Professor of Accounting.

A.B., University of Georgia, 1914; M.B.A., Harvard University, 1916; Graduate Student, University of Chicago, 1916; Graduate Student, Columbia University, 1917; Adjunct Professor of Accounting and Industry, University of Georgia, 1916-1918; Associate Professor of Accounting, University of North Carolina, 1920—.

OTTO STUHLMAN, JR., Ph.D., Associate Professor of Physics.

Assistant in Physics, University of Cincinnati, 1905-1907; B.A., *ibid.*, 1907; Assistant Instructor in Physics, University of Illinois, 1907-1909; M.A., *ibid.*, 1909; Experimental Science Fellow, Princeton University, 1909-1911; Ph.D., *ibid.*, 1911; Instructor in Physics, Stevens Institute of Technology, 1911-1912; Instructor in Physics, University of Pennsylvania, 1912-1918; Assistant Professor of Physics, State University of Iowa, 1918-1919; Assistant Professor of Physics, West Virginia University, 1919-1920; Associate Professor of Physics, University of North Carolina, 1920—.

*GUSTAVE ADOLPHUS HARRER, Ph.D., Associate Professor of Latin.

A.B., Princeton University, 1910; Ph.D., *ibid.*, 1913; Instructor in Classics, *ibid.*, 1913-1915; Instructor in Latin, University of

* Absent on leave, 1922-1923, on the Kenan Foundation.

North Carolina, 1915-1918; Assistant Professor of Latin, *ibid.*, 1918-1921; Associate Professor of Latin, *ibid.*, 1921—.

*FRANK PORTER GRAHAM, M.A., Associate Professor of History.

A.B., University of North Carolina, 1909; Student of Law, *ibid.*, 1909-1910, 1912-1913; M.A., Columbia University, 1916; Instructor in History, University of North Carolina, 1914-1919; Dean of Students, *ibid.*, 1919-1920; Assistant Professor of History, *ibid.*, 1919-1921; Associate Professor of History, *ibid.*, 1921—.

CLARENCE ADDISON HIBBARD, M.A., Associate Professor of English.

B.A., University of Wisconsin, 1909; Instructor in English, Government Middle Schools, Kagoshima, Japan, 1909-1911; Professor of English Language, Imperial College of Commerce, Nagasaki, Japan, 1911-1914; Graduate Student, University of Wisconsin, 1916-1917; Assistant in English, *ibid.*, 1916-1917; Assistant Professor of English, Miami University, 1917-1918; M.A., University of Wisconsin, 1919; Assistant Professor of English, University of North Carolina, 1919-1921; Associate Professor of English, *ibid.*, 1921—.

CHARLES MELVILLE BAKER, A.M., B.L.S., Associate Professor of Library Administration.

A.B., Harvard University, 1910; A.M., *ibid.*, 1911; Instructor in English, Syracuse University, 1913-1915; B.L.S., New York State Library School, 1918; Assistant Professor of Library Administration, University of North Carolina, 1919-1921; Associate Professor of Library Administration, *ibid.*, 1921—.

FRANK CARL VILBRANDT, Ph.D., Associate Professor of Industrial Chemistry.

Assistant in General Chemistry, Ohio State University, 1913-1915; A.B., *ibid.*, 1915; Graduate Assistant in General Chemistry, *ibid.*, 1915-1916, 1917-1918; M. A., *ibid.*, 1916; Instructor in Industrial Chemistry, *ibid.*, 1918-1921; Ph.D., *ibid.*, 1919; Associate Professor of Industrial Chemistry, University of North Carolina, 1921—.

MAURICE TAYLOR VAN HECKE, Ph.B., J.D., Associate Professor of Law.

Student, Beloit College, 1911-1913; Ph.B., University of Chicago, 1916; J.D., *ibid.*, 1917; Assistant Professor of Law, West Vir-

* Absent on leave, 1922-1923.

ginia University, 1920-1921; Associate Professor of Law, University of North Carolina, 1921—.

HAROLD DIEDRICH MEYER, A.M., Associate Professor of Sociology.

A.B., University of Georgia, 1912; A.M., *ibid.*, 1916; Professor of Rural Sociology and Economics, Georgia State Normal School, 1916-1921; Associate Professor of Sociology and Supervisor of Field Work, University of North Carolina, 1921—.

HOMER HOYT, A.M., J.D., Associate Professor of Economics. A.B., University of Kansas, 1913; A.M., *ibid.*, 1913; Instructor in Economics, Beloit College, 1917-1918; J.D., University of Chicago, 1918; Student, George Washington University Law School, 1918-1919; Professor of Economics, Delaware College, 1919-1920; Instructor in Columbia University Extension School, 1920-1921; Instructor in Economics, New York University Extension School, 1920-1921; Associate Professor of Economics, University of North Carolina, 1921—.

HAROLD FREDERICK JANDA, C.E., Associate Professor of Highway Engineering.

Student, Carroll College, 1911-1913; C.E., University of Wisconsin, 1916; Instructor in Civil Engineering, University of Cincinnati, 1916-1919; Assistant Professor of Civil Engineering, *ibid.*, 1919-1921; Associate Professor of Highway Engineering, University of North Carolina, 1921—.

HARRY WOLVEN CRANE, Ph.D., Associate Professor of Psychology.

A.B., University of Michigan 1909; M.A., *ibid.*, 1910; Ph.D., *ibid.*, 1913; Instructor in Psychology, *ibid.*, February 1913-June 1913; Chief Investigator, Michigan Legislative Commission to Investigate the Extent of Feeble-mindedness, Epilepsy and Insanity, and Other Conditions of Mental Defectiveness in Michigan, 1913-1915; Instructor in Psychology, Ohio State University, 1915-1918; Represented the Eugenics Record Office with the Arkansas Commission on Feeble-mindedness, October 1915-March 1916; Represented Eugenics Record Office with the Psychiatric Laboratory of Police Headquarters New York City, April-May 1916; Staff Psychologist, Board of Nassau County Mental Survey, Long Island, New York, June-August 1916; Assistant Professor of Psychology, Ohio State University, 1918-1921; Associate Professor of Psychology, University of North Carolina, 1921—.

WALLACE EVERETT CALDWELL, Ph.D., Associate Professor of History.

A.B., Cornell University, 1910; Fellow in Ancient History, Columbia University, 1914-1915; Instructor in History, Indiana Uni-

versity, 1915-1916; Lecturer in History, Columbia University, 1917-1918; Instructor in History, *ibid.*, 1918-1921; Ph.D., *ibid.*, 1919; Fellow, Belgian Relief Commission, 1921-1922; Associate Professor of History, University of North Carolina, 1922—.

FLOYD HENRY ALLPORT, Ph.D., Associate Professor of Psychology.

A.B., Harvard University, 1913; Ph.D., *ibid.*, 1919; Instructor in Psychology, *ibid.*, 1919-1922; Associate Professor of Psychology, University of North Carolina, 1922—.

HENRY DEXTER LEARNED, Ph.D., Associate Professor of Romance Languages.

A.B., University of Pennsylvania, 1912; Ph.D., *ibid.*, 1917; Instructor in German, Dickinson College, 1912-1913; Instructor in German, University of Pennsylvania, 1913-1918; Instructor in Romance Languages, University of Michigan, 1919-1921; Professor of French, University of Chattanooga, 1921-1922; Associate Professor of Romance Languages, University of North Carolina, 1922—.

ERICH WALTER ZIMMERMANN, Ph.D., Associate Professor of Marketing and Transportation.

Gymnasium of Düsseldorf, 1903-1907; Ph.D., University of Bonn, 1911; Special Graduate Student, New York University, 1913-1915; Instructor in Economics, New York University, 1915-1918; Professor of Economics, James Milliken University, 1919-1922; Associate Professor of Trade and Transportation, University of North Carolina, 1922—.

ELMER GEORGE HOEFER, M.E., Associate Professor of Electrical Engineering.

B.S. in M.E., University of Wisconsin, 1905; Instructor in Mechanical Engineering, University of Iowa, 1907-1908; Professor of Mechanical and Electrical Engineering, University of Wyoming, 1908-1922; Assistant Professor of Steam and Gas Engineering, University of Wisconsin, 1914-1915; M.E., *ibid.*, 1915; Associate Professor of Mechanical Engineering, University of North Carolina, 1922—.

*EDMUND BROWN, JR., Ph.D., Associate Professor of Transportation and Marketing.

B.A., Amherst, 1912; A.M., Columbia University, 1915; Ph.D., *ibid.*, 1922; Instructor, University of Missouri, 1917-1918; Examiner, Federal Trade Commission, 1919-1921; Professor of

* Absent on leave, 1922-1923.

Economics, University of Richmond, 1921-1922; Associate Professor of Transportation and Marketing, University of North Carolina, 1922—.

HERMAN HENRY STAAB, M.A., Assistant Professor of Romance Languages.

Student, University of Tubingen, 1895-1898; Student, University of Halle, 1899; Student, University of Geneva, 1900; In France, Italy, and Spain, 1901-1905; Argentina and Brazil, 1906; Harvard University, 1910, Summer Session; B.A., M.A., University of the South, 1912; Professor of French, University of the South, Summer Quarter, 1914; Professor of Romance Languages, Converse College, 1913-1918; Professor of French, George Peabody College for Teachers, Summer Quarter, 1918; Assistant Professor of Romance Languages, University of North Carolina, 1918—.

SAMUEL HUNTINGTON HOBBS, JR., A.M., Assistant Professor of Rural Economics and Sociology.

A.B., University of North Carolina, 1916; A.M., *ibid.*, 1917; Instructor in Rural Economics and Sociology, *ibid.*, 1916-1919; Assistant Professor of Rural Economics and Sociology, *ibid.*, 1919—.

ARTHUR SIMEON WINSOR, A.M., Assistant Professor of Mathematics.

A.B., Mount Allison University, 1914; A.M., *ibid.*, 1915; Assistant in Mathematics, *ibid.*, 1913-1915; Instructor in Mathematics, Rice Institute, 1915-1917; Fellow in Mathematics, *ibid.*, 1915-1917; Instructor in Mathematics, Loomis Institute, 1917-1919; Assistant Professor of Mathematics, University of North Carolina, 1919—.

WILLIAM FLINT THRALL, Ph.D., Assistant Professor of English.

A.B., McKendree College, 1901; A.M., *ibid.*, 1902; Professor of English, *ibid.*, 1909-1920; Registrar, *ibid.*, 1915-1920; A.M., University of Chicago, 1915; Ph.D., *ibid.*, 1920; Assistant Professor of English, University of North Carolina, 1920—.

HOWARD RUSSELL HUSE, Ph.B., Assistant Professor of Romance Languages.

Student, University of Dijon, France, 1910-1911; Ph.B., University of Chicago, 1913; Fellow in Romance Languages, *ibid.*, 1913; Assistant Instructor in Romance Languages, *ibid.*, 1914-1916; Assistant Professor of Romance Languages, Newcomb College; Tulane University, 1916-1918; Assistant Professor of Romance Languages, University of North Carolina, 1920—.

ERNEST LLOYD MACKIE, A.M., Assistant Professor of Mathematics.

A.B., University of North Carolina, 1917; Instructor in Mathematics, Clemson College, 1917-1919; A.M., Harvard University, 1920; Instructor in Mathematics, *ibid.*, 1920-1921; Assistant Professor of Mathematics, University of North Carolina, 1921—.

ROBERT HASLEY WETTACH, A.M., S.J.D., Assistant Professor of Law.

A.B., University of Pittsburg, 1913; A.M., *ibid.*, 1914; LL.B., *ibid.*, 1917; S. J. D., Harvard University, 1921; Assistant Professor of Law, University of North Carolina, 1921—.

ROY BOWMAN MCKNIGHT, A.B., M.D., Assistant Professor of Pharmacology.

A.B., University of North Carolina, 1914; M.D., University of Pennsylvania, 1920; Fellow in Pharmacology, University of Pennsylvania, 1922; Assistant Professor of Pharmacology, University of North Carolina, 1922—.

ALBERT SHAPIRO, Ph.D., Assistant Professor of Spanish.

A.B., Harvard University, 1914; A.M., *ibid.*, 1914; Ph.D., *ibid.*, 1916; Sheldon Fellow, South America, 1916-1917; Instructor in Romance Languages, Tufts College, 1914-1915; Instructor in French, Harvard College, 1915-1916; Instructor in English, University of Chile, 1916-1917; Instructor in Romance Languages, University of Akron, 1917-1918; Professor of Modern Languages, Norwich University, 1918-1920; Instructor in Modern Languages and Director of Athletics, Albany Academy, 1920-1922; Assistant Professor of Spanish, University of North Carolina, 1922—.

CORYDON PERRY SPRUILL, JR., A.B., B.Litt. (Oxon.), Assistant Professor of Economics.

A.B., University of North Carolina, 1920; Rhodes Scholar at Oxford University, 1920-1922, B.Litt., Oxford University, 1922; Assistant Professor of Economics, University of North Carolina, 1922—.

JAMES PENROSE HARLAND, Ph.D., Assistant Professor of Classics.

A.B., Princeton, 1913; A.M., *ibid.*, 1915; Ph.D., *ibid.*, 1920; Fellow American School at Athens, 1920-1921; Instructor in Greek, University of Michigan, 1921-1922; Assistant Professor of Classics, University of North Carolina, 1922—.

EDWARD TANKARD BROWNE, A.M., Assistant Professor of Mathematics.

A.B., University of Virginia, 1915; Instructor in Mathematics, *ibid.*, 1915-1917 and 1919; A.M., *ibid.*, 1917; Graduate Student University of Chicago, 1919-1921; Assistant Professor of Mathematics, Trinity College, (Conn.), 1921-1922; Assistant Professor of Mathematics, University of North Carolina, 1922—.

EDWARD VERNON KYSER, Ph.G., Assistant Professor of Pharmacy.

Ph.G., University of North Carolina, 1915; Analytical Chemist, Merrell Chemical Co., 1916-1917; Chief Chemist, Cincinnati Soap Co., 1917-1922; Assistant Professor of Pharmacy, University of North Carolina, 1922—.

CHARLES H. FERNALD, M.B.A., Assistant Professor of Salesmanship and Advertising.

B.S., Amherst College, 1916; M.B.A., Harvard University, 1921; Assistant Professor of Salesmanship and Advertising, University of North Carolina, 1922—.

HEINRICH BOSSHARD, Ph.D., Assistant Professor of German.

Industrieschule, Zürich, Switzerland, 1906-1911; Ph.D., University of Zürich, 1919; Ed.M., Harvard University, 1921; Instructor in German, Harvard University, 1921-1922; Assistant Professor of German, University of North Carolina, 1922—.

HENRY ROLAND TOTTEN, A.M., Instructor in Botany.

A.B., University of North Carolina, 1913; Assistant in Botany, *ibid.*, 1913-1914; A.M., *ibid.*, 1914; Student, University of Paris, 1919; Instructor in Botany, University of North Carolina, 1914—.

*JOE BURTON LINKER, A.M., Instructor in Mathematics.

A.B., University of North Carolina, 1918; Instructor in Mathematics, *ibid.*, 1919—; A.M., *ibid.*, 1920.

HAYWOOD MAURICE TAYLOR, S.M., Instructor in Chemistry.

S.B. in Chemistry, University of North Carolina, 1920; Instructor in Chemistry, *ibid.*, 1920—; S.M., *ibid.*, 1921.

WILLIAM DOUGALD MACMILLAN, 3d., A.M., Instructor in English.

A.B., University of North Carolina, 1918; Teaching Fellow in English, *ibid.*, 1919-1920; A.M., *ibid.*, 1920; Student, University of Chicago, 1920; Instructor in English, University of North Carolina, 1920—.

* Absent on leave, 1922-1923.

ALMONTE C. HOWELL, M.A., Instructor in English.

Undergraduate Assistant, Denison University, 1914-1917; A.B., *ibid.*, 1917; Professor of Mathematics and Education, Columbia College (Fla.), 1917-1918; M.A., Columbia University, 1920; Instructor in English, University of North Carolina, 1920—.

FRANK JOHN HARONIAN, M.A., Instructor in French.

A.B., Collège des Mechitharistes (Constantinople), 1908; Student, State Normal School (N. Y.), 1915-1917; Student, Columbia University, 1919; Instructor in French, University of North Carolina, 1920—; M.A., Columbia University, 1921.

THOMAS HOFFMAN HAMILTON, A.M., Instructor in Music.

A.B., Monmouth College, 1907; Instructor in English, Assiut College, Egypt, 1907-1910; Graduate student, University of Chicago, 1912; Instructor in Music, Monmouth College, 1912-1915; Instructor in Music, Texas Christian University, 1915-1917; Student, Columbia University, 1917-1918; Student, Alliance Française and Conservatoire Nationale, 1919; Head of Voice department, Heidelberg University, 1919-1920; Instructor in Music, University of North Carolina, 1920—; A.M., *ibid.*, 1922.

MARTIN KAHAO BROOKS, A.M., Instructor in Romance Languages.

A.B., University of Kansas, 1911; A.M., *ibid.*, 1912; Instructor in Romance Languages, University of Missouri, 1914-1916; Student, Harvard University, 1919-1921; Instructor in French, *ibid.*, 1919-1921; Instructor in Romance Languages, University of North Carolina, 1921—.

MURAT HALSTEAD ROBERTS, A.M., Instructor in Romance Languages.

A.B., University of Tennessee, 1915; Instructor in Romance Languages, Lincoln Memorial University, 1915-1916; Instructor in Romance Languages, East Tennessee State Normal School, 1916-1920; A.M., Princeton University, 1921; Instructor in Romance Languages, University of North Carolina, 1921—.

HARRY SYLVANUS VANLANDINGHAM, M.A., Instructor in French.

B.A., Richmond College, 1912; M.A., *ibid.*, 1916; Teacher of Piano, Baylor College, 1914-1915; Certificat d'Etudes Françaises, University of Grenoble, 1920; Certificat d'Etudes Phonétiques Élémentaires de l'Association Phonétique Internationale, Paris, 1921; Instructor in French, University of North Carolina, 1921—.

THOMAS JAMES WILSON, III, A.B., Instructor in French.

A.B., University of North Carolina, 1921; Student in France, 1921; Instructor in French, University of North Carolina, 1921—.

JOHN FENTON DAUGHERTY, A.B., Instructor in Physics.

A.B., Dickinson College, 1921; Instructor in Physics, University of North Carolina, 1921—.

MICHAEL ARENDELL HILL, JR., A.M., Instructor in Mathematics.

A.B., University of North Carolina, 1920; Teaching Fellow in Mathematics, *ibid.*, 1920-1921; Instructor in Mathematics, *ibid.*, 1921—; A.M., *ibid.*, 1922.

SAMUEL CLEMENT SMITH, A.M., Instructor in Chemistry.

A.B., Guilford College, 1918; A.M., University of North Carolina, 1920; Teaching Fellow in Chemistry, *ibid.*, 1920-1921; Instructor in Chemistry, *ibid.*, 1921—.

CHARLES RUTHERDFORD BAGLEY, A.M., B.Litt. (Oxon.), Instructor in French.

A.B., Trinity College, 1914; A.M., *ibid.*, 1915; Instructor in French, Trinity College, 1916-1917; Rhodes Scholar at Oxford University, 1919-1922; B.A., Honors in French, Oxford University, 1921; B.Litt., Oxford University, 1922; Instructor in French, University of North Carolina, 1922—.

FREDERICK JAMES HURLEY, A.B., Instructor in Spanish.

A.B., Harvard University, 1916; Student in Boston Normal School, 1916-1917; Instructor in Spanish, University of North Carolina, 1922—.

THOMAS MORTIMER MCKNIGHT, A.B., Instructor in Spanish.

A.B., University of North Carolina, 1921; Student, University of Chile, 1922; Instructor in Spanish, University of North Carolina, 1922—.

WILLIAM BURRUSS HARRELL, A.B., Instructor in Economics.

A.B., University of North Carolina, 1921; Student, University of Chicago, 1922; Instructor in Economics, University of North Carolina, 1922—.

GERALD RALEIGH MCCARTHY, A.B., Instructor in Geology.

A.B., Cornell, 1921; Assistant in Geology, Williams College, 1921-1922; Instructor in Geology, Cornell Summer Schools, 1921 and 1922; Instructor in Geology, University of North Carolina, 1922—.

DAVID LESLIE SHELDON, Instructor in Instrumental Music.

Supervisor of Music, Winsted, Conn., 1917-1918; Director of Music, Vineland, N. J., 1918-1921; Director of Instrumental Music, Okmulgee, Oklahoma, 1921-1922; Instructor in Instrumental Music, University of North Carolina, 1922—.

A. THEODORE JOHNSON, A.M., Instructor in English.

A.B., Westminster College, 1914; M.A., University of Virginia, 1917; Teaching Fellow in English, University of North Carolina, 1921-1922; Instructor in English, *ibid.*, 1922—.

GEORGE WALLACE SMITH, S.B., Instructor in Drawing.

S.B. in Electrical Engineering, University of North Carolina, 1916; Assistant in Engineering, *ibid.*, 1921-1922; Instructor in Drawing, *ibid.*, 1922—.

EDWARD MONTGOMERY KNOX, Instructor in Drawing.

Student, Trinity College, 1917-1919; Student, University of North Carolina, 1920—; Instructor in Drawing, *ibid.*, 1922—.

HORACE DOWNS CROCKFORD, B.S., Instructor in Chemistry.

B.S., N. C. State College of Agriculture and Engineering, 1920; Teaching Fellow in Chemistry, University of North Carolina, 1921-1922; Instructor in Chemistry, *ibid.*, 1922—.

FLETCHER MELVIN GREEN, A.M., Instructor in History.

Ph.B., Emory University, 1920; Teaching Fellow in History, University of North Carolina, 1921-1922; A.M., *ibid.*, 1922; Instructor in History, *ibid.*, 1922—.

KEENER CHAPMAN FRAZER, A.M., Instructor in History.

A.B., Wofford College, 1920; Teaching Fellow in History, University of North Carolina, 1920-1921; A.M., University of North Carolina, 1921; Graduate Student, Johns Hopkins University, 1921-1922; Instructor in History, University of North Carolina, 1922—.

ERNST CHRISTIAN PAUL METZENTHIN, Ph.D., Instructor in German.

University of Leipzig and University of Berlin; A.M., Pennsylvania State College, 1913; Ph.D., University of Pennsylvania, 1915; Instructor in Germanics, Pennsylvania State College, 1912-1914; Instructor in Germanics, University of Pennsylvania, 1914-1915; Professor of German and Greek, Wagner Lutheran College, 1918-1920; Acting Assistant Professor of Germanics, Brown University, 1921-1922; Instructor in German, University of North Carolina, 1922—.

ROLAND PRINCE McCLAMROCH, A.M., Instructor in English.

A.B., University of North Carolina, 1920; Teaching Fellow in English, *ibid.*, 1920-1922; A.M., *ibid.*, 1922; Instructor in English, *ibid.*, 1922—.

KEBLE BARNUM PERINE, B.S., Instructor in Bio-Chemistry.

B.S., Massachusetts Institute of Technology, 1922; Instructor in Bio-Chemistry, University of North Carolina, 1922—.

RAYMOND WILLIAM ADAMS, A.M., Instructor in English.

A.B., Beloit College, 1920; A.M., University of North Carolina, 1921; Teaching Fellow in English, *ibid.*, 1921-1922; Instructor in English, *ibid.*, 1922—.

FRED BAYS McCALL, A.B., Instructor in Latin.

A.B., University of North Carolina, 1915; Instructor in Latin, *ibid.*, 1922—.

JOHN NATHANIEL COUCH, A.M., Instructor in Botany.

A.B., University of North Carolina, 1919; Assistant in Botany, *ibid.*, 1919-1920; Teaching Fellow in Botany, *ibid.*, 1921-1922; A.M., *ibid.*, 1922; Instructor in Botany, *ibid.*, 1922—.

CLAYTON CARR EDWARDS, A.B., Instructor in Mathematics.

Student Assistant in Mathematics, University of North Carolina, 1920-1921; A.B., *ibid.*, 1922; Instructor in Mathematics, *ibid.*, 1922—.

ROBERT RUSSELL POTTER, A.M., Instructor in English.

A.B., University of Denver, 1921; A.M., University of Colorado, 1922; Instructor in English, University of North Carolina, 1923—.

TEACHING FELLOWS, 1922-1923

ERNST OTTO MOEHLMAN, S.B., Teaching Fellow in Chemistry.

JOE LEVY McEWEN, S.B., Teaching Fellow in Chemistry.

JOHN ALPHEUS BENDER, S.B., Teaching Fellow in Chemistry.

WILLIAM BRITTINGHAM SMOOT, S.B., Teaching Fellow in Chemistry.

CECIL KENNETH BROWN, A.B., Teaching Fellow in Economics.

ARTHUR GWYNN GRIFFIN, A.B., Teaching Fellow in Economics.

ROBERT ALEXANDER DAVIS, A.B., Teaching Fellow in Education.

CHARLES BOWIE MILLICAN, A.B., Teaching Fellow in English.

SAMUEL HOOD WILLIS, A.B., Teaching Fellow in English.

ARTHUR RENARD WHITEHURST, A.B., Teaching Fellow in English.

HAROLD CLYDE AMICK, A.B., Teaching Fellow in Geology.

CARL HAMPTON WALKER, A.B., Teaching Fellow in Geology.

JOHN WILEY COKER, A.B., Teaching Fellow in History.

CALVIN RANSOME EDNEY, A.M., Teaching Fellow in History.

ROY JAY MORTON, A.B., Teaching Fellow in Highway Engineering.

FREDERICK MAST DULA, A.B., Teaching Fellow in Psychology.

HENRY ARTHUR HELMS, A.B., Teaching Fellow in Psychology.

WYATT ANDREW PICKENS, A.B., Teaching Fellow in Romance Languages.

THOMAS EWELL WRIGHT, A.B., Teaching Fellow in Romance Languages.

ROY RITTER ANDERSON, A.B., Teaching Fellow in Sociology.

STUDENT ASSISTANTS, 1922-1923

MARSHALL YOUNG COOPER, Assistant in Accounting.

VARDAMAN MOORE BUCKALEW, Assistant in Accounting.

ETTA PIERSON, Assistant in Botany.

ALMA HOLLAND, Assistant in Botany.

JOHN WESLEY DEYTON, Assistant in Botany.

GRADY HILL LEONARD, Assistant in Chemistry.

THOMAS KENT THOMAS, Assistant in Chemistry.

HOWELL GRADY PICKETT, Assistant in Chemistry.

PAUL MILTON GRAY, S.B., Assistant in Electrical Engineering.

RUFUS GWYN KOONTZ, Assistant in Electrical Engineering.

JOSEPH BASCOMB HUFF, A.M., Assistant in English.

JOSEPH FELIX SPAINHOUR, JR., A.M., Assistant in English.

FRANK THORNBUR THOMPSON, A.B., Assistant in English.

HERMAN JENNINGS BRYSON, Assistant in Geology.

ROBERT SESSOMS WEAVER, Assistant in Geology.

JOHN VERNON AMBLER, Assistant in Geology.

THOMAS HILTON EVANS, Assistant in Geology.

ELVIN BAILEY CAUDLE, Assistant in Geology.

IRVING JOSEPH STEPHENSON, Assistant in Mathematics.

WILLIAM VANN PARKER, Assistant in Mathematics.

WILTON CATHEY, Assistant in Physics.

WILLIAM ERNEST COMER, Assistant in Physics.
PAUL DWIGHT STEPHENSON, Assistant in Physics.
JOHN MCKINLEY BROWN, Assistant in Psychology.
WILLIAM MURRAY LINKER, Assistant in Psychology.
HARRY SMITH ANDREWS, Assistant in Zoology.
FRANCIS OVERSTREET GLOVER, Assistant in Zoology.
CHARLES AUGUSTUS HOLSHOUSER, Assistant in Zoology.

FACULTY COMMITTEES

The President is a member *ex officio* of all committees.

ADVISORY (*elected*). Professors Carroll, Wilson, L. R. Royster, Greenlaw, Coker.

EXECUTIVE (*elected*). Professors Wagstaff, Bernard, Daggett, Bell, McIntosh.

ADVANCED STANDING. The Registrar, Professors Carroll, Howe, Daggett.

ATHLETICS. Professors Hobbs, A. W., Connor, Howell, Lawson, Patterson, Graves, Hibbard.

ALUMNI CATALOGUE. Mr. Grant, The Registrar, Professors Hamilton, Wilson, L. R., Mr. Rankin and Alumni representatives.

ALUMNI ORGANIZATION. Mr. Grant, Mr. Rankin, Professors Bernard, Patterson, Lasley, McKie, Mr. Bradshaw.

CHAPEL. Mr. Bradshaw, Professors Bernard, Mangum, Odum, Patterson, Weaver, Steiner, Van Hecke, Mr. Comer.

DEBATES. Professors Williams, Bernard, McKie, Hoyt.

DEGREES WITH DISTINCTION. Professors Greenlaw, Daggett, Hamilton, Henderson, Howe, Toy, Wilson, H. V., Carroll.

DRAMATICS. Professors Koch, Howe, Daggett, Greenlaw, Weaver, Wheeler, McKie.

ENGLISH COMPOSITION. Professors Dargan, Bell, Carroll, Foerster, Leavitt, Pierson.

EDUCATIONAL POLICY. The President, Professors Carroll, Coker, Daggett, Greenlaw, Howe, Knight, Pierson, Royster, Walker.

ENTRANCE REQUIREMENTS. Professors Walker, Knight, Daggett, Caldwell, Royster, The Registrar.

FACULTY LIVING CONDITIONS. Professors Wagstaff, Bell, Branson, Daggett, Henry, Wheeler, Wilson, L. R., and Mr. Woollen.

GROUND AND BUILDINGS. Professors Coker, MacNider, Wheeler, Booker, Odum, Braune, Mr. Woollen.

HEALTH AND SANITATION. Dr. Abernethy, Professors Braune, Bullitt, Saville, Mr. Woollen.

LIBRARY BOOK COMMITTEE. Professors Wilson, L. R., Coker, Bernard, Foerster, Pierson, Dey, Carroll.

LIBRARY BUDGET. The Librarian, the Deans of the College, the Schools of Applied Science, Commerce, Engineering, Education, and the Graduate School, the President.

McNAIR LECTURES. Professors Coker, Henderson, Williams, MacNider.

PRESS ASSOCIATION. Professors Graves, L., Wilson, L. R., Hibbard.

PUBLICATIONS. Professors Wilson, L. R., Hamilton, Coker, Greenlaw, Graves, L., Walker, Mr. Snell.

PUBLIC LECTURES. Professors Henderson, Howe, McGehee, MacNider, Coker, Carroll, Graves, L.

PUBLIC OCCASIONS AND CELEBRATIONS. Professors Henderson, Hamilton, Patterson, Wheeler, Howe, Pratt, Connor.

STUDENT EMPLOYMENT. Mr. Bradshaw, Professors Bell, Toy, Wheeler, Hickerson, Odum, Lear, Hobbs, A. W., Mr. Comer.

STUDENT LIFE AND ACTIVITIES. Mr. Bradshaw, Professors Booker, Bernard, Patterson, Weaver, Hibbard, Matherley, Meyer, Mrs. Stacy.

UNIVERSITY RELATIONS. Professors Wilson, L. R., Knight, Branson.

UNIVERSITY SERMONS. Professors Toy, Wheeler, Cobb, Knight, Odum.

PART TWO—GENERAL INFORMATION

THE UNIVERSITY

GROUND AND BUILDINGS

ADMISSION

EXPENSES

PECUNIARY AID

MEDALS AND PRIZES

REGULATIONS

STUDENT GOVERNMENT

PUBLIC LECTURES

UNIVERSITY ORGANIZATIONS

THE ASSOCIATIONS OF THE ALUMNI

THE UNIVERSITY

FOUNDATION AND GOVERNMENT

The University was established in obedience to the first Constitution of the State, which was adopted in December, 1776. A clause of section XLI declared that "all useful learning shall be duly encouraged, and promoted in one or more universities." The charter was granted by the General Assembly in 1789, the cornerstone of the Old East Building was laid in 1793, and the University was opened in 1795.

The title, preamble, and first section of the Act of incorporation are as follows:

"AN ACT TO ESTABLISH A UNIVERSITY IN THIS STATE"

"WHEREAS in all well regulated Governments, it is the indispensable Duty of every Legislature to consult the Happiness of a rising Generation, and endeavor to fit them for an honorable Discharge of the Social Duties of Life, by paying the strictest attention to their Education: And whereas an University supported by permanent Funds, and well endowed, would have the most direct Tendency to answer the above Purpose:

"I. *Be it therefore enacted by the General Assembly by the State of North Carolina, and it is hereby enacted by the Authority of the Same, That, Samuel Johnson, James Iredell, Charles Johnson, Hugh Williamson, Stephen Cabarrus, Richard Dobbs Spaight, William Blount, Benjamin Williams, John Sitgreaves, Frederick Harget, Robert Snead, Archibald Maclaine, Honourable Samuel Ashe, Robert Dixon, Benjamin Smith, Honourable Samuel Spencer, John Hay, James Hogg, Henry William Harrington, William Barry Grove, Reverend Samuel McCorkle, Adlai Osborne, John Stokes, John Hamilton, Joseph Graham, Honourable John Williams, Thomas Person, Alfred Moore, Alexander Mebane, Joel Lane, Willie Jones, Benjamin Hawkins, John Haywood, senior, John Macon, William Richardson Davie, Joseph Dixon, William Lenoir, Joseph M'Dowell, James Holland and William Porter, Esquires, shall be and they are hereby declared to be a body politic and corporate to be known and distinguished by the name of The Trustees of the University of North Carolina** and by that name shall have perpetual Succession and a common Seal; and that they the Trustees and their Successors, by the Name aforesaid, or a Majority of them, shall be able and capable in Law to take, demand, receive and possess all Monies, Goods and Chattels that shall be given them for the Use of the said University,

* The corporate name has been changed to The University of North Carolina.

and the same apply according to the Will of the Donors, and by Gift, Purchase or Devise to take, have, receive, possess, enjoy and retain to them and their Successors forever, any Lands, Rents, Tenements and Hereditaments, of what Kind, Nature or Quality soever the same may be, in special Trust and Confidence that the same or Profits thereof shall be applied to and for the Use and Purpose of establishing the said University.”*

The University is governed by a board of trustees elected by the Legislature and is free from sectionalism, sectarian or political control. The Governor of the State is *ex officio* President of the Board of Trustees.

Article IV of the Constitution of 1876 contains the following provisions regarding the University:

“Sec. 6. The General Assembly shall have power to provide for the election of Trustees of the University of North Carolina, in whom, when chosen, shall be vested all the privileges, rights, franchise, and endowments thereof, in any wise granted to or conferred upon the Trustees of said University; and the General Assembly may make such provisions, laws, and regulations from time to time as may be necessary and expedient for the maintenance and management of said University.

“Sec. 7. The General Assembly shall provide that the benefits of the University, as far as practicable, be extended to the youth of the State free of expense for tuition; also all the property which has heretofore accrued to the State, or shall hereafter accrue, from escheats, unclaimed dividends, or distributive shares of the estate of deceased persons, shall be appropriated to the use of the University.”

SITUATION AND GENERAL ADVANTAGES

The University is situated at Chapel Hill, twelve miles from Durham and thirty-eight miles from Raleigh. It may be reached by rail from University Junction, or by one of the automobile lines which maintain regular and frequent schedules from Durham. The site of the University is on a promontory of granite, belonging to the Laurentian system, about three hundred feet above the sandstone formation to the east that was once the bed of a great body of water. It is near the center of the state, midway between the mountains and the sea, with sufficient elevation to insure healthful and pleasant working conditions. The site has always been famed for its beauty. On this promontory the great roads from

* Laws of the State of North Carolina, published by James Iredell, Edenton, 1791.

Petersburg to Pittsboro and from New Bern to Greensboro crossed. At the cross was a chapel of the Church of England, giving to the eminence its name, New Hope Chapel. The name "Chapel Hill" occurs in the report of the Trustees, November, 1792, on the choice of a site, and a contemporary account describes the site as follows:

"The seat of the University is on the summit of a very high ridge. . . . The ridge appears to commence about half a mile directly east of the building, where it rises abruptly several hundred feet. This peak is called Point Prospect. The flat country spreads out below like the ocean, giving an immense hemisphere in which the eye seems lost in the extent of space."

This account is equally valid to-day. The region abounds in hills, covered with magnificent trees, filled with springs and brooks, and with a profusion of mountain flowers. The campus, of about fifty acres, is one of the most beautiful in America. The University owns, contiguous to the campus, five hundred acres of forest lands, partly laid off in walks and drives. The present buildings of the University, about thirty-five in number, range in age from the Old East dating to 1795 to the new buildings erected for the accommodation of the Academic and Law Schools. A model central power plant provides heat, water and electric lights for all the buildings. The infirmary is a modern building completely equipped and under the direction of the University physician. Records prove that health conditions at the University are excellent.

NEW BUILDING PROGRAM

The generous appropriation of one million four hundred and ninety thousand dollars for permanent improvements made by the General Assembly in 1921, has made it possible to begin work on the development of the South Campus. There are now completed four new dormitories capable of housing four hundred and eighty students and a large building for the Departments of History and Social Sciences. These five buildings were ready for use with the opening of the Fall Quarter in 1922.

The buildings for the Language Departments and for the School of Law will be completed by March 1st, 1923, and the late spring respectively.

ORGANIZATION AND DEGREES

The University is organized into a College of Liberal Arts and seven Schools, which have jurisdiction over degrees as follows: The College of Liberal Arts, Bachelor of Arts, and jointly with the School of Law, Bachelor of Arts and Laws; the School of Applied Science, Bachelor of Science in Chemistry, in Geology, and, jointly with the School of Medicine, in Medicine; the School of Education, Bachelor of Arts in Education; the School of Commerce, Bachelor of Science in Commerce; the School of Engineering, Bachelor of Science in Electrical Engineering and in Civil Engineering; the Graduate School, Master of Arts, Master of Science, and Doctor of Philosophy; the School of Law, Bachelor of Laws, Bachelor of Arts and Laws (jointly with the College of Liberal Arts); the School of Medicine, Bachelor of Science in Medicine (jointly with the School of Applied Science); the School of Pharmacy, Graduate in Pharmacy, Doctor of Pharmacy, and Pharmaceutical Chemist.

The School of Public Welfare offers courses of professional training for social work and community leadership.

In the Summer School are offered certain courses for which regular University credit is allowed, as well as special courses designed primarily for the teachers of the state.

There is also a Bureau of Extension through which the services of the University Faculty and certain material equipment of the University are made available to the people of the state generally.

THE COLLEGE YEAR

The college year is divided into Fall, Winter and Spring Quarters of approximately eleven and one-half weeks each, and a Summer Session of six weeks. There is a Thanksgiving recess of three days, a Christmas recess of approximately two weeks, and an Easter recess of seven days.

GENERAL CULTURE

Chapel Exercises are conducted in Memorial Hall, with the reading of the scriptures and singing, every week-day morning except Saturday, at 11:15 o'clock. Attendance is required of Freshmen five days a week and of Sophomores and Juniors on Mondays and Fridays. At this hour timely talks are given by different members of the Faculty and by others. Bible classes for young men are taught in each of the five churches of the village every Sunday. Religious services are held twice a week, or oftener, in each church. A series of sermons is delivered annually by the University preachers, chosen by the Trustees from the various denominations. Bible lectures are delivered every Sunday morning in Gerrard Hall. The Young Men's Christian Association meets three times a week, for prayer and other services, and conducts a series of Bible courses, which are largely attended by the students.

DISCIPLINE

The University endeavors to make young men manly and self-reliant, and to develop character by educating the conscience. The Faculty may, at their discretion, admonish, suspend, or dismiss students for neglect of duty, or for misconduct.

PHYSICAL TRAINING

Hearty encouragement is given to athletic sports and to all kinds of physical culture. The Emerson Athletic Field, the gift of Mr. Isaac Emerson, of Baltimore, furnishes ample facilities for football and baseball, and the track is admirably adapted for running and general track athletics. A new field for class athletics has been completed recently and put into use. This field lies directly to the east of Emerson Field and serves the Freshmen teams and other class teams. Fifteen tennis courts are located on the campus. Systematic exercise under skilled instructors is offered to all students in the University.

Exercise is required three hours a week of all Freshmen, unless excused. In the fall, a thorough physical examination of each Freshman is made, and the heart, the lungs, the eyes, and the ears, are tested, in order that students defective in

physical development may be given special work under the personal supervision of the Director. Round shoulders, flat chests, curvature of the spinal column, hernia and mild cases of congenital paralysis are thus often greatly benefited and sometimes completely corrected.

MEDICAL ATTENTION

In order to secure responsible and efficient medical advice and to provide proper attention for the student during sickness, the University employs a practising physician and maintains a well appointed infirmary. The Infirmary is equipped with all necessary conveniences and comforts, is under the immediate supervision of the University Physician, and is provided with two experienced nurses. At the discretion of the University Physician a student may be admitted to its wards, and for such services as may be rendered by the staff no charges are made, but should any additional service (consultation, special nurses, operations requiring the attendance of a trained surgeon) recommended by the attending physician and approved by the parent or guardian, be necessary, the student will be required to pay for such services.

GROUND S AND BUILDINGS

The University campus contains forty-eight acres of land, affording ample grounds for building and for all sorts of athletic sports. The University owns, contiguous to the campus, five hundred acres of forest lands, which are partly laid off in walks and drives. The University has thirty-five buildings.

BUILDINGS FOR GENERAL UNIVERSITY USES

The Alumni Hall contains the offices of administration, and nine lecture rooms.

Gerard Hall is used for lectures, mass meetings and other student assemblies, and for public lectures.

Memorial Hall commemorates the illustrious dead of the University. It is used for chapel exercises, for Commencement, and public exercises.

BUILDINGS FOR SPECIAL PURPOSES

Smith Hall contains the Law Library, offices and lecture rooms of the School of Law.

The Peabody Building, the gift of the Peabody board, contains lecture rooms, offices, library, and auditorium of the School of Education, and is splendidly equipped in every detail.

The Young Men's Christian Association Building is a valuable adjunct to the work of the Association.

The William Preston Bynum, Jr., Gymnasium is the gift of Judge William Preston Bynum, in memory of his grandson, William Preston Bynum, Jr., of the class of 1893. It is furnished with modern apparatus, swimming pool, baths, lockers and running track; and contains a trophy room and the office of the Instructor in Physical Training.

The Infirmary, a spacious and completely equipped building, is open to all the students of the University.

Swain Hall contains a dining-room with a seating capacity of six hundred, kitchens, a bakery, and a cold-storage plant.

A Modern Steam Laundry completed during the summer of 1921 furnishes the highest grade of laundry service to the student body and to the town of Chapel Hill.

DORMITORIES

The South Building contains thirty-one living rooms.

The Old East Building contains two lecture rooms and twenty-eight living rooms.

The Old West Building contains two lecture rooms and twenty-eight living rooms.

The New West Building contains the Dialectic Literary Society's Hall, one lecture room, and eleven living rooms.

The New East Building contains the Philanthropic Literary Society's Hall, the Geological Laboratory and Museum, the offices of the North Carolina Geological Survey, and fourteen living rooms.

University Inn Annex is used for dormitory purposes.

The Carr Dormitory, the gift of Gen. J. S. Carr, contains forty-two living rooms.

The Smith Dormitory contains forty living rooms.

The Battle, Vance and Pettigrew Dormitories, each contain twenty-four living rooms, each room having two connecting bedrooms.

The Steele Dormitory, named in honor of Walter Lake Steele, class of 1844, contains thirty-six living rooms, accommodating seventy-two students.

In addition to the above dormitories, four modern buildings containing accommodations for four hundred and eighty students were ready for occupancy with the Fall Quarter of 1922.

LABORATORIES AND MUSEUMS

The Geological Laboratories and Museum

The Geological Laboratory occupies the first floor of the New East Building. In addition to a lecture room with a seating capacity of about fifty, there is a large laboratory supplied with working collections of minerals, rocks, and fossils, and with photographs, maps, and models illustrating

geological structure. The laboratory is furnished with three petrographical microscopes, with four miscrosopes for soil study, and with apparatus for the slicing and polishing of rocks. Microscope slides have been made of most of the specimens from North Carolina; the department has, also, sections of the typical European rocks. Sections of the rocks around Chapel Hill, and the igneous rocks of the Boston Basin, made by the late Hunter Lee Harris, of the class of 1889, were given to the geological department. There is a room for photographic work.

The University possesses a collection of more than two thousand specimens of building stones, coal, and various products illustrating the economic geology of the State. These are arranged in an exhibition room of six hundred and fifty square feet of floor space. Here also are kept the sections taken with a diamond drill in the coal regions of Pennsylvania, in the region around King's Mountain, where the Summer School of Geology held its sessions, in the Dan River coal fields, and in the Triassic Rocks at Durham, N. C. A complete set of the ores of the precious metals found along the line of the Atchison, Topeka and Santa Fe Railroad is included in the collection. Valuable additions have been made to the collection of fossils also, affording increased opportunity for laboratory work in historical geology and paleontology. The collection illustrating economic geology has been largely increased by the addition of many specimens from the mining regions of Northern Ontario. In 1921 a complete set of the soils of Japan arranged with relation to geological horizons was added to the collections as well as many photographs and specimens collected in Asia and in tropical South America during Professor Cobb's absence on the Kenan Foundation. Stereographs and lantern slides illustrating geological phenomena in all parts of the world and lantern slides showing mining methods in all the great mining regions are in constant use, and important additions to this collection have been made during the year.

The Department Library, which occupies a room adjoining the exhibition room, is supplied with State and United

States Reports, the papers of working geologists, the best works upon Geology, and scientific periodicals.

The Chemical Laboratories

Chemistry Hall is located east of Alumni Hall. The main floor contains a large lecture hall, a small lecture room, the laboratory for Organic Chemistry, two laboratories for Quantitative Analysis, several private laboratories and offices for the instructors. On the second floor are two large laboratories for Elementary Chemistry, a large laboratory for Qualitative and Quantitative Analysis, several research laboratories and the Library of the Department. The basement contains the storerooms, fireproof room, constant temperature room, assay room, laboratories for Physical Chemistry, Electrochemistry, Industrial Chemistry and a small lecture room.

The laboratories are well equipped with apparatus for the regular courses and for research work of students or instructors, and the library contains a most excellent collection of books and journals which are of the utmost value in research work.

The Biological Laboratories

The Biological Building, Davie Hall, is occupied by the Departments of Zoology and Botany. The building is a rectangular structure of pepper-and-salt brick and is divided into a main body and two wings. The total length is 125 feet, the depth of the main body 44 feet, that of the wings 38 feet. A basement underlies the whole, above which are two floors. The main body has an additional third floor. The building faces south, lies to the east of the New East, and adjoins the Arboretum.

The entrance hall, on the first floor, lighted with large windows on either side of the main doorway, serves for the exhibition of museum specimens of a more popular character. Back of the entrance hall are herbarium, a room for charts and other lecture apparatus, and a room for the storage of zoological specimens. The west wing of this floor is occupied by a lecture room with a seating capacity of one hundred and twenty, the east wing by a laboratory for the elementary

classes in zoology and botany. The latter laboratory is arranged for twenty-four wall tables with a window in front of each table.

On the second floor the east wing is occupied by a single large laboratory for advanced work in zoology and the west wing by a similar laboratory for advanced work in botany. Each of these rooms accommodates twenty workers, and is lighted on three sides with twenty windows. The main building on this floor includes private workrooms for the professors of zoology and botany; two storerooms, and a library. On the third floor of the main body is a photographic studio with windows on the north side extending to the floor, and with skylights. In the basement are a fireproof incubator room, a room for micro-photography with adjoining dark room, janitor's shop, and rooms for the storage of heavy supplies. The wings in the basement are designed for the keeping of live animals and plants for experimental work in botany and zoology.

The Medical Laboratories

The medical building, Caldwell Hall, was built with funds appropriated by the State. It was completed and opened for service in 1912. It is located on the south side of Cameron Avenue opposite Davie Hall.

The main building is 117 x 64 feet and adjoining it on the south side is a wing 63 x 36 feet, each including a basement and two stories. The first floor of the main building is bisected by a hall fourteen feet wide from north to south and a corridor 8 feet wide from each to west. The floor space is therefore subdivided into four equal parts. Each part is subdivided into one large laboratory 34 x 27 feet and two smaller laboratories, 12 by 14 feet. The second floor is practically a duplicate of the first floor. Each of the large laboratories is equipped for forty students and those on the north side are used for all microscopic work and those on the south side for experimental physiology, experimental pharmacology, and physiological chemistry. The smaller laboratories are used as private laboratories for the instructors.

On the first floor of the wing are the lecture room which has a seating capacity of about seventy-five, and the departmental library; on the second floor are the dissecting hall and private rooms of the instructors in anatomy.

In the basement provision is made for the care of animals and the storage of supplies. The rooms are well lighted, heated, and ventilated and provided with conveniences for proper sanitation.

The laboratories are unusually well lighted and equipped with the essentials for efficient work by students and instructors.

The departmental library contains approximately 1200 bound volumes of the best journals covering the subjects of the first two years of the medical course, most of them in complete sets, and a large number of books on clinical subjects presented by friends of the school, among them the private libraries of some of the most eminent physicians in the State, Dr. W. J. Wood, of Wilmington, Dr. P. E. Hines, of Raleigh, Dr. H. S. Bahnson, of Winston-Salem, Dr. J. E. Ray, of Raleigh.

The Pharmaceutical Laboratories

Person Hall is occupied by the School of Pharmacy. It contains ten rooms, each equipped with water, gas, and electricity. It is well supplied with light and ventilation.

The front part of the building contains a lecture room, a library, and a research laboratory. The lecture room has a seating capacity of seventy-five students. In this room are exhibited many rare and expensive chemicals, antitoxins and serums, standardized galenicals, and preparations made by various students. These exhibits serve to illustrate lectures. The library was inaugurated by the Class of 1897. In it are filed a large number of medical and pharmaceutical journals, and it contains a well-selected group of text, historical, and reference books.

The body of the building is made up of three laboratories. These laboratories are for the first, second, and third year pharmacy students. Each student is supplied with an individual desk with lock, in which is stored all the equipment and apparatus necessary for the work. These desks are sup-

plied with both water and gas. Suitable balances are distributed at convenient points throughout the laboratories.

The back wing of the building contains a prescription and gas room, an office, and a large lecture room for the courses in materia medica.

The Physical Laboratories

The Physical Laboratories occupy the west end of the main floor of Phillips Hall. There is a large laboratory for general physics, a laboratory for advanced work, several research laboratories, a photographic dark room and two large apparatus rooms. One of these adjoins the lecture room, which has a seating capacity of three hundred. The general laboratory is large enough to accommodate more than forty students at one time and is equipped with a view of accomplishing the maximum amount of laboratory work in the minimum time. All laboratories and lecture rooms are supplied with gas, running water and electric power. Compressed air can be obtained by means of a portable compression and vacuum pump.

The following electrical power resources are available, 3-phase alternating current at 110 volts, or 220 volts; a 12 volt set with capacity of 500 amperes; a 12 volt set with capacity of 14 amperes, and a 110 volt circuit.

A two-panel slate switchboard distributes direct and alternating current power by means of a plug and socket system to sub-panels located in all lecture rooms and laboratories. Seven wires run from the switchboard to each of the sub-panels, giving a very flexible system of power distribution.

The advanced laboratories are equipped with special apparatus making it possible to pursue advanced work in physics especially along the line of optics, conduction of electricity through gases and the electron theory. The recent addition of a Langmuir Vacuum Pump makes investigations in the highest attainable vacuum now possible.

The department library located on the third floor of Phillips Hall has on file the current numbers of most of the standard American, English, French and German journals of physics.

The Psychological Laboratories

The Department of Psychology is using temporarily rooms at the west end of Peabody Building. They include a medium sized lecture room, two laboratory rooms, two small laboratory rooms, three offices, all on the second floor; and an animal laboratory room in the basement. Sufficient equipment is at hand for the routine work in courses in elementary experimental psychology; and apparatus and supplies are adequate for certain lines of special experimental research, such as mental and physical examinations in their different phases, animal behavior, etc.

The departmental library includes all the technical journals published in English and a few in other languages. The supply of books is fairly complete.

The Civil Engineering Laboratories

The civil engineering laboratories occupy the east end of the ground floor of Phillips Hall. The materials testing laboratory contains a one-hundred thousand pound Universal testing machine upon which the usual tests of various materials of construction can be performed. This laboratory is also equipped with a Standard tensile testing machine for testing cement briquettes together with such accessory apparatus as is necessary for the standard tests of cement and sand.

The highway engineering laboratory is equipped with apparatus for the standard tests of bituminous and non-bituminous road surfacing materials, consisting in part as follows: Engler viscosimeter, penetrometer, ring and ball melting point apparatus, open cup oil tester, New York Board of Health oil tester, Hubbard-Carmick specific gravity flasks, hydrometers, float testing apparatus, constant temperature and drying oven, ductility machine, Dulin rotarex, Deval 4-cylinder abrasion machine, diamond core drill, diamond saw, grinding lap, Page impact, ball mill, briquette former, cementation impact machine, etc.

The hydraulic laboratory is equipped with apparatus for conducting experiments upon the flow of water in pipes,

weirs, and orifices; determination of friction loss and hydraulic gradient.

The laboratory of sanitary engineering is fully equipped to make complete chemical and bacteriological examinations of water, sewage, and milk. Students are required to perform regularly, for a short period, the routine tests conducted in connection with the operation of the Chapel Hill water purification plant, the sewage treatment plant, and the control of the milk supply.

The surveying laboratory consists of ample equipment, such as transits, levels, chains, etc., for conducting practical problems in field work.

The Electrical Engineering Laboratories

The Electrical Engineering Laboratories, located in the west end of the ground floor of Phillips Hall, consist of a large dynamo laboratory, having nearly three thousand square feet of floor space, and seven smaller laboratories. They are all supplied with power through a large seven-panel slate switchboard controlling a 25-k.w., 125-volt, direct current motor-generator set, a 5-k.w., 180-volt, Westinghouse booster set, and a 5-k.w., 6 or 12-volt, General Electric electrolytic type motor-generator set. Sub-panels in all the laboratories are connected with this switchboard by means of eight wires, and a plug and socket system of distribution makes it possible to supply any of the laboratories with several kinds of power at the same time.

The dynamo laboratory is well supplied with direct and alternating current machines of modern design for testing purposes, including a 15-kv.a., General Electric motor-generator set with revolving field alternator, wound for single, two, three or six-phase, two 5-kv.a., 3-phase, Westinghouse motor-generator sets, two General Electric synchronous converters of 10-k.w. and 3-k.w. capacity, two 3-k.w., Westinghouse D. C. motor-generator sets, one 3-h. p., General Electric Type RF variable speed motor with compensating winding in the pole faces, a 5-h.p., General Electric 3-phase induction motor with wound rotor and drum type controller, a 3-h.p., Westinghouse and a 2-h.p., General Electric squirrel-cage in-

duction motor, a 3-h.p. General Electric Type RI repulsion motor, and fifteen other D. C. and A.C. machines ranging from two to ten horsepower.

There is also a 50-ampere, 125-volt, General Electric mercury-arc rectifier set, a 10,000-volt testing transformer, and a number of 230-volt transformers. The laboratory has an unusually complete equipment of control rheostats, lamp banks, and inductance coils, two 100-microfarad condensers, and over one hundred portable ammeters, voltmeters, and wattmeters.

The standardization laboratory for electric and magnetic measurements is equipped with the following precision laboratory standards: one 150-volt Weston D. C. voltmeter, one 150-volt Weston A. C. voltmeter, one 100-millivolt Westinghouse D. C. millivoltmeter with a complete set of shunts, one 5-10-ampere Westinghouse Kelvin-balance type ammeter, one 200-ampere, 300-volt Westinghouse Kelvin-balance type wattmeter, a number of General Electric and Westinghouse potential and current transformers, General Electric and Westinghouse rotating-standard watthour meters, a Queen-Gray potentiometer, several bridge testing sets, a Kelvin double bridge, a capacity bridge, D'Arsonval and ballistic galvanometers and the usual equipment of standards of resistance, inductance and capacity.

The photometric laboratory is equipped with a standard Reichsanstalt photometer bench with three-meter track, equipped with standard track screens for daylight work, Bunsen screen, Lummer-Brodhun disappearance and contrast screens, standard Hefner lamp, a number of certified carbon and tungsten incandescent standards, a compound rotator, a luxometer for illumination surveys and a number of shades and reflectors of various types. The laboratory is also supplied with constant potential and constant current arc lamps, direct and alternating current types, a 4-ampere magnetite arc, 12-ampere flaming-arc and a 3.5 ampere mercury-arc.

The storage battery laboratory contains a 60-cell, 120-volt, 3-ampere battery for testing and photometric work, a 60-cell, 120-volt, couple-type battery for potential tests, and a number of 6-volt portable batteries.

The radio laboratory is equipped with receiving sets for the reception of damped and undamped waves up to a maximum of 25,000 meters and a 100-watt electro-tube radio telephone transmitter. It is well supplied with coils and condensers and a number of thermionic tubes for receiving and transmitting.

The research laboratory is splendidly equipped for advanced investigations. There is a complete General Electric oscillograph equipment mounted on a portable table, and a small dark room for photographic work.

A special laboratory for Freshman instruction contains a large amount of standard equipment illustrating the applications of electricity and a number of special devices, designed and built in the department shop, for teaching the fundamentals of electrical engineering.

The Power Plant and Mechanical Engineering Laboratory

The University Power Plant is located just back of Phillips Hall, in which are the Civil and Electrical Engineering laboratories. This plant furnishes electric lights, power and water for the town of Chapel Hill and electric lights and power, water and heat for the University buildings.

The plant was built in 1916, and was designed with a view to its use as a Mechanical Engineering Laboratory. It has an ultimate capacity of 1000 horsepower. At present the boiler room contains two 168-horsepower Babcock and Wilcox boilers and one 350-horsepower Union Iron Works boiler, supplying steam at 200 pounds pressure, a 500-horsepower Cochran feed water heater and a full equipment of boiler room auxiliaries. It also contains two large exhaust steam heaters and a live steam heater for the hot water heating system which supplies all University buildings. All of the apparatus is supplied with a full complement of flow meters, gages, thermometers, etc., so that a complete test may be run on this part of the plant.

Adjoining the boiler room is the pump room, which contains a 4-in. two stage centrifugal service pump driven by a 20-horsepower Crocker-Wheeler motor, a 50-horsepower DeLaval turbine driven centrifugal pump, a 150-horsepower

General Electric-Dayton-Dowd centrifugal pump, for circulating the water in the heating system and a 1000-gallon per minute fire pump driven by a 100-horse-power Westinghouse motor.

The engine room, located over the pump room, contains a 200-kilowatt three phase, 2300-volt General Electric turbo generator, a 35-horsepower Ball engine and a small reciprocating engine for valve setting experiments. The turbo alternator has a direct connected exciter and there is also a 10-kilowatt motor generator exciter set. The electrical equipment is controlled by a five-panel remote-control switchboard made by the General Electric Company. All of the high tension switches are located in an enclosure in the pump room below. The enclosure also contains an 8-kilowatt constant current transformer for the campus lighting and street lighting of Chapel Hill and a 2300-volt starting compensator controlling the centrifugal pump which pumps the water supply from a small creek a mile north of the town. The laboratory is equipped with calorimeters, flow meters, thermometers, Orsat apparatus for flue gas analysis, indicators and other accessory apparatus necessary for making complete tests on power plants.

THE UNIVERSITY LIBRARY

The University Library contained at the end of the academic year one hundred and eight thousand, four hundred and five volumes and several thousand pamphlets. This collection has been classified and catalogued according to the Dewey decimal system, and rendered accessible by means of a dictionary author, title, and subject card catalogue.

The Library funds are expended under the direction of the Librarian, the Library Budget Committee, the Library Committee, and Professors in charge of Departments, with special reference to the instruction given in the University. The annual addition of books from purchase, donations, and exchanges is about eight thousand seven hundred and fifty volumes, all of which are carefully classified and catalogued as they are received.

A special collection of dictionaries, encyclopedias, almanacs, handbooks, atlases, concordances, and other reference books is provided for general use in the reference room.

In addition to the resources of the general reference room, the Library has a collection of ten thousand bound periodicals covering all fields of general, technical, and professional information. A great number of the sets belonging to this collection are complete, and consequently completely cover the history and progress of the subjects of which they treat. In this way students pursuing general academic and special technical or professional courses have access to the best American, English, and Continental periodical literature to be found on their subjects. The articles contained in these files are fully indexed in special periodical indexes and are referred to with ease.

One thousand and five current periodicals, transactions of literary, scientific, historical and other societies, university studies, and serial publications, continuing and supplementing the bound sets, are subscribed for or secured through exchange annually. They are to be found in the general periodical room and in the seminars, professional schools, and scientific laboratories, where they can be consulted in the course of daily work.

As the Library is a depository for the publications of the United States Government, it contains material especially valuable for reference in debate, and in the study of social and political sciences, useful arts, and the natural sciences.

Four special seminar rooms have been equipped in the general Library to facilitate advanced work in English and German Literatures and Languages, Greek and Latin Literatures and Languages, the Romance Literatures and Languages, and North Carolina History. Special scientific and professional collections are to be found in the libraries of seminars belonging to the departments in which such instruction is given. These collections are under the supervision of the instructors in the respective departments and the Librarian.

The North Carolina room contains all the books in the Library which relate to North Carolina, including the Weeks

collection of Caroliniana, which is rapidly being catalogued and made available. The whole makes one of the finest collections on the history of this State in the country, and with its special librarian, whose thorough knowledge of the books adds greatly to their value and use, offers rare advantages to the research student.

The main Library is housed in a library building erected in 1907, and represents an expenditure for construction and equipment of \$81,000. The reference, current periodical, and seminar rooms in the main Library are well lighted, and have table and seating capacity for two hundred students at one time.

The stack room contains three levels of steel shelving with stairway and glass mezzanine floor between and, with its present complement of shelving, capacity for one hundred and five thousand volumes.

Brief instruction in the use of the card catalogue, the periodical indexes, and the reference books generally, is given new students at the beginning of each quarter, and to any student at any time who may request it. Instruction in a regular University class is also given to students who are preparing for positions in school and public libraries, with a view to making them more efficient in the discharge of their special duties.

The Library is open on week days from 8:30 a. m. to 1:15 p. m., and from 2:00 p. m. to 6:00 p. m.; on week-day evenings, Saturday excepted, from 7:00 p. m. to 11:00 p. m.; on Sundays, from 2:30 p. m. to 4:30 p. m.; on University holidays, from 3:00 p. m. to 4:00 p. m.

The following rules are considered necessary for the proper use of the Library. They will be enforced with strict impartiality:

Subscribers to the Library are the students and members of the faculty.

Other persons who desire to use the Library may become subscribers on payment of a regular Library fee of \$4 a year, \$1 for three months, or 50c a month.

Persons who are not subscribers may not borrow books on a subscriber's name.

Not more than three books may be charged to one name at the same time.

Fines for books kept over fourteen days (including the day of issue) will be imposed at the rate of five cents per day. Reserved books must not be taken from the Library until 8:30 p. m. and must be returned by 10:00 a. m. the following morning. After that hour they are subject to a fine at the rate of five cents per hour, or fraction thereof without limit. The date on the pocket or flyleaf of book is sufficient notice when the book is due.

Postal card notices are sent to borrowers in regard to books overdue as a reminder but failure to receive the notice is not considered a valid excuse for not paying the fine.

Books in the reference room must not be taken from the Library.

Magazines, bound or unbound, must not be removed from the Library.

Any book or magazine that has been lost or defaced must be replaced by the borrower at the cost of the book or magazine plus a replacement fee of \$1. At the discretion of the Librarian a book 4 weeks overdue may be considered lost.

A student who owes the Library for fines or lost books will not receive academic credit for his courses at the end of a quarter.

Any conversation in the Library, except to obtain books desired, is forbidden.

Continued disregard for any of these rules will cause the offender to forfeit the right to use the Library.

ADMISSION

ADMISSION TO THE UNIVERSITY

Candidates for admission to the University are received by certificate from accredited schools or by examination.

ENTRANCE BY CERTIFICATE. Students who present certificates of work accomplished at preparatory schools and colleges may be admitted without examination, provided the certificates are approved. The right to examine, however, is reserved, when such a course is deemed necessary. Certificates must be made out on the printed forms furnished on application to the Registrar, and should be sent in as early as possible in the summer vacation; the uniform entrance certificates of the Association of Colleges and Preparatory Schools of the Southern States will also be accepted. Candidates must present themselves in person before the Committee on Admission of Freshmen during the period of registration.

ENTRANCE BY EXAMINATION. Entrance examinations are held in September. The University will accept the uniform entrance examination papers of the Association of Colleges and Preparatory Schools of the Southern States, provided such papers are properly vouched for and sent sealed to the University for grading. The University will accept also the certificates of the College Entrance Examination Board. Candidates for admission by examination must make application to the Registrar in writing two weeks before the date for registration. Time and place for examinations will be arranged by the Registrar.

Admission to Advanced Standing

A candidate for advanced standing may be admitted to the Sophomore, Junior, or Senior Class, with or without complete examination. He is subject not only to the examinations required of candidates for admission into the Freshman Class, but to special examinations both in all the required studies already pursued by the class which he desires to enter and in as many elective studies as would have been required of him

as a member of that class. The examining committee may accept also, with proper restrictions, the official report of work satisfactorily completed at a college or university of good standing in place of an examination upon such previous work. All credits allowed by this committee stand in suspense until the candidate shall have spent one quarter in residence. If his work during this quarter is unsatisfactory, the credits may be canceled.

A candidate for advanced standing must send to the Registrar his application two weeks before the date for registration. Blank forms may be secured by writing the Registrar.

Admission of Women

By action of the Trustees in February, 1897, women were made eligible for admission to the Graduate School of this institution. Almost immediately this action was extended so that women were eligible for admission to the two upper classes of the college. Some years later women whose training was found to be sufficient were admitted to the Professional Schools of Law, Medicine and Pharmacy. By an extension of this action women were admitted to special courses in work that is not to be obtained in a college for women. Finally by special action in each individual case women who are residents in Chapel Hill may be admitted to any work in the institution for which they are qualified by previous training.

The Entrance Requirements

The entrance requirements for admission to the University without examination are fifteen (15) units secured by graduation from a four-year accredited school. *No student will be admitted without examination who presents fewer than fifteen (15) units.*

It must be clearly understood that *admission to the University does not, necessarily, mean admission to candidacy for a degree.*

In order to be admitted as a candidate for a degree the applicant must meet the specific requirements laid down by the school or college in which that degree is conferred. See pages 65-69. In some cases this will make it necessary for

the candidate to carry certain courses as prerequisites over and above the courses prescribed for the degree, or to make up certain deficiencies. These deficiencies must be made good before the student may register for his sophomore year.

The preparatory student should decide, therefore, as early as possible, for which degree he wishes to become a candidate and carry such courses in his preparatory school as will admit him to candidacy for that degree.

Subjects Accepted for Entrance

The complete list of subjects accepted for entrance is as follows:

English	3 or 4	units
History	4	units
Mathematics	4	units
Greek	4	units
Latin	4.7	units
French	3	units
German	3	units
Spanish	3	units
Botany	1 or 0.5	unit
Chemistry	1 or 0.5	unit
Physics	1 or 0.5	unit
Physiology	0.5	unit
Zoology	1 or 0.5	unit
General Science	1 or 0.5	unit
Physiography	1 or 0.5	unit
Drawing	1	unit
Civics	0.5	unit
Vocational subjects		
Commercial Geography	0.5	unit
General Agriculture	2	units
Bookkeeping	1	unit
Commercial Arithmetic	1	unit
Stenography and Typewriting.....	1	unit
Manual Training	2	units

NOTE, that as many as four (4) units in English, four (4) units in history, and two (2) units in agriculture may be accepted. This amount of credit will be allowed only when the Registrar is satisfied that the work done in these subjects at any given school is of a superior order.

NOTE FURTHER: One (1) full unit in any of the sciences will be allowed only when satisfactory work is done in the laboratory as evidenced by the notebook, otherwise only one-half (.5) unit will be allowed.

Prescribed Requirements

The requirements for admission to candidacy for the different degrees in the College and the several Schools within the University are as follows:

THE COLLEGE OF LIBERAL ARTS

(The Degree A.B.)

English <i>a, b, c</i> ,	3	or 4	units
History <i>a</i> ,	1	unit	
Mathematics <i>a, b, c</i> ,	2.5	or 3	units

Select Two	{	Greek <i>a, b</i> ,	2	units	}	4 or 5.7 units.
		Latin <i>a, b, c, d</i> ,	3.7	units		
		German <i>a</i> ,	2	units		
		French <i>a</i> ,	2	units		
		Spanish <i>a</i> ,	2	units		

Electives

Total 15 units

NOTE, that two foreign languages to the amount of not less than four (4) units, or 5.7 if Latin is chosen as one, are required for admission to candidacy for the degree A.B. The languages so presented must be continued as the required foreign languages, or the elementary courses (1 and 2) of a substituted language must be taken without credit towards the degree. Greek 1-2, when completed satisfactorily in this institution, will count for degree credit.

NOTE FURTHER: American History is a required subject for admission to candidacy for the degree A.B.

THE SCHOOL OF APPLIED SCIENCE

(The Degree B.S.)

Bachelor of Science in Chemistry

English <i>a, b, c</i> ,	3	or 4	units
History, <i>a</i> ,	1	unit	
Mathematics <i>a, b, c, d</i> ,	3	or 3.5	units
French <i>a</i> ,	2	units	
German <i>a</i> ,	2	units	
Science	1	unit	
Elective			
Total		15	units

NOTE, that the requirements for admission to candidacy for the degree B.S. in Chemistry call for:
Solid Geometry
French and German
American History

PRESCRIBED REQUIREMENTS

Bachelor of Science in Geology

English <i>a, b, c</i> ,	3 or 4	units
History <i>a</i> ,	1	unit
Mathematics, <i>a, b, c</i> ,	2.5 or 3	units
French <i>a</i> , or German <i>a</i> , or		
Spanish <i>a</i> ,	2	units
Science	1	unit
Electives		
Total	15	units

NOTE, that the requirements for admission to candidacy for the degree B.S. in Geology call for:

American History

One modern foreign language

Bachelor of Science in Medicine

(See Page 69)

THE SCHOOL OF ENGINEERING

(The Degree B.S.)

Bachelor of Science in Electrical Engineering and in Civil Engineering

English <i>a, b, c</i> ,	3 or 4	units
History <i>a</i> ,	1	unit
Mathematics <i>a, b, c, d</i> ,	3 or 3.5	units
French <i>a</i> , or German <i>a</i> , or		
Spanish <i>a</i> , or Greek <i>a, b</i> , or		
Latin <i>a, b</i> ,	2	units
Science	1	unit
Electives		
Total	15	units

NOTE, that the requirements for admission to candidacy for the degree B.S. in Electrical Engineering and B.S. in Civil Engineering call for:

Solid Geometry

American History

One foreign language

THE SCHOOL OF EDUCATION

(The Degree A.B. in Education)

The requirements for admission to candidacy for the degree A.B. in Education are the same as for admission to candidacy for the A.B. in the College of Liberal Arts.

THE SCHOOL OF COMMERCE AND FINANCE

(The Degree B.S. in Commerce)

English <i>a, b, c</i> ,	3 or 4	units
History <i>a</i> ,	1	unit
Mathematics <i>a, b, c</i> ,	2.5 or 3	units

Select two	$\left\{ \begin{array}{l} \text{Greek } a, b, \\ \text{Latin } a, b, \\ \text{German } a, \\ \text{French } a, \\ \text{Spanish } a, \end{array} \right\}$ 4	units
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Electives

Total 15 units

NOTE, that the requirements for admission to candidacy for the degree B.S. in Commerce call for:

Two foreign languages to the extent of four (4) units
American History

THE SCHOOL OF PUBLIC WELFARE

The one year and two year courses of professional training are open to graduates of colleges of good standing.

Students not eligible to the regular courses by reason of not holding a degree may be admitted to special courses of one quarter or more provided they have had sufficient general education and practical experience to insure satisfactory work, and conform to University requirements.

THE GRADUATE SCHOOL

Holders of bachelor's or higher degrees from standard colleges are admitted to the Graduate School upon presentation of their credentials and without examination. Upon the vote of the Administrative Board other mature persons may be admitted as special students in courses for which they are qualified. See also page 187.

THE SCHOOL OF LAW

Candidates for the Degree of LL.B.

Students who are candidates for the degree of LL.B. must have completed eighteen courses, or their equivalent, of college work in subjects approved by the Law Faculty. These

courses must have been completed before the applicant may enter the School of Law. Students may not enter the School at the opening of the second term as applicants for the degree nor, except by special permission of the Dean, in preparation for examination for license.

Admission to Advanced Standing

A student from another School of Law in which the requirements for admission are at least as high as in this school, may be admitted to advanced standing for the degree of LL.B. As a rule no more than one year's work will be so credited without residence, but with the consent of the Law Faculty, two years' work may be credited in exceptional cases. A student seeking admission to advanced standing must present satisfactory evidence that the work taken in another school is substantially equivalent to that given in the corresponding year here, both in the character of the work covered and in the amount of time devoted to each subject.

Students Not Candidates for the Degree

Beginning September, 1923, students, taking regular work in the school, but not candidates for the degree, must, unless they are "special students," present at least one year of college grade work, amounting to nine courses or the equivalent.

Special Students

Mature persons twenty-one years of age or over may for the present be admitted as special students upon satisfying the Law Faculty that they have such training as will enable them to profit by the instruction given in the School.

THE SCHOOL OF MEDICINE

I. The Pre-medical Course (two years of academic work):

English <i>a, b, c</i> ,	3	or 4	units
History <i>a</i> ,	1		unit
Mathematics <i>a, b, c</i> ,	2.5	or 3	units
German <i>a</i> , or French <i>a</i> ,	2		units
Electives			
Total		15	units

NOTE, that the requirements for admission to the Pre-medical Course call for
Either French or German
American History

II. Bachelor of Science in Medicine:

English <i>a, b, c</i> ,	3	or 4	units
History <i>a</i> ,	1		unit
Mathematics <i>a, b, c</i> ,	2.5	or 3	units
German <i>a</i> ,	2		units
French <i>a</i> ,	2		units
Electives			
Total	15		units

NOTE, that the requirements for admission to candidacy for the degree B.S. in Medicine call for:
 French and German
 American History

III. Requirements for Admission to the Medical Course. The requirements for admission to the medical course are 2 years (60 semester hours) of college work, which must include a minimum of twelve semester hours in Chemistry (including 4 semester hours of Organic Chemistry), eight semester hours in Biology, eight semester hours in Physics, six semester hours in English, and six semester hours in a modern language (French or German) beyond that required for admission to the University. *Students will not be admitted with less than the equivalent of sixty semester hours, nor with less than the required number of hours in Science and Language subjects.*

IV. Admission to Advanced Standing. Candidates for admission to the second year of the medical course must present certificates from an accredited medical school stating that they have had the required fifteen units, the two years of college work as indicated in Section III, and have completed the subjects of the first year of the medical course as outlined.

THE SCHOOL OF PHARMACY

Candidates for the degrees of Ph.G., Ph.C., or P.D. must be on entering at least seventeen years old, and must have completed either a high school course of study or the equivalent in units. They may, however, enter a one-year special course without this prerequisite.

Detailed Requirements

The requirements in each of the subjects accepted for entrance are as follows:

- BOTANY:**5 or 1. unit
 A course such as is contained in any standard text-book;
 laboratory work.
- CHEMISTRY:**5 or 1. unit
 A course such as is contained in any standard text-book;
 laboratory work.
- CIVICS:**5 unit
 A course such as is contained in any standard text-book.
- DRAWING:** 1. unit
 A year's work, including simple geometrical plane and
 solid figures, simple pieces of machinery, elementary
 rules of perspective, light and shade, as applied in
 freehand sketching.
- ENGLISH:** (1923-1925) (a) Grammar and
 Rhetoric 1. unit
 Attention is directed to the list of minima essentials in
 composition as printed by the North Carolina Depart-
 ment of Public Instruction in its model course for the
 public schools.
- (b) Classics for Reading 1. unit

Two from each of the following groups:

GROUP I.—PROSE FICTION.

Malory's *Morte d'Arthur* (about 100 pages); Bunyan's *Pilgrim's Progress*, Part I; Swift's *Gulliver's Travels* (voyage to Lilliput and to Brobdingnag); Defoe's *Robinson Crusoe*, Part 1; Goldsmith's *Vicar of Wakefield*; Frances Burney's *Evelina*; Scott's Novels, any one; Jane Austen's Novels, any one; Maria Edgeworth's *Castle Rackrent*, or *The Absentee*; Dickens' Novels, any one; Thackeray's Novels, any one; George Eliot's Novels, any one; Mrs. Gaskell's *Cranford*; Kingsley's *Westward Ho!* or *Hereward, the Wake*; Reade's *The Cloister and the Hearth*; Blackmore's *Lorna Doone*; Hughes' *Tom Brown's Schooldays*; Stevenson's *Treasure Island*, or *Kidnapped*, or *Master of Ballantrae*; Cooper's Novels, any one; Poe's *Selected Tales*; Hawthorne's *The*

House of Seven Gables, or *Twice Told Tales*, or *Mosses From an Old Manse*; A collection of short stories by various standard writers.

GROUP II.—SHAKESPEARE.

Shakespeare's *Midsummer Night's Dream*, *Merchant of Venice*, *As You Like It*, *Twelfth Night*, *The Tempest*, *Romeo and Juliet*, *King John*, *Richard II*, *Richard III*, *Henry V*, and *Coriolanus*; and, if not chosen for study, *Julius Cæsar*, *Macbeth*, and *Hamlet*.

GROUP III.—POETRY.

Palgrave's *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study); Goldsmith's *The Traveler*, and *The Deserted Village*; Pope's *The Rape of the Lock*; a collection of English and Scottish ballads, as, for example, some Robin Hood ballads, *The Battle of Otterburn*; *King Estmere*, *Young Beichan*, *Bewick and Grahame*, *Sir Patrick Spens*, and a selection from later ballads; Coleridge's *The Rime of The Ancient Mariner*, *Christabel*, and *Kubla Khan*; Byron's *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*; Scott's *The Lady of the Lake* or *Marmion*; Macaulay's *Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, and *Irvy*; Tennyson's *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur* (if not chosen for study); Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "*De Gustibus—*," *Instans Tyrannus* (if not chosen for study); Arnold's *Sohrab and Rustum*, and *The Forsaken Merman*; selections from American poetry, with special attention to Poe, Lowell, Longfellow, and Whittier.

GROUP IV.—BIBLICAL NARRATIVE; ESSAYS, ETC.

The Old Testament, comprising at least the chief narrative episodes in *Genesis*, *Exodus*, *Joshua*, *Judges*, *Samuel*, *Kings*, and *Daniel*, together with the books of *Ruth* and *Esther*; Addison and Steele, *The De Coverley Papers* (selections from *The Spectator*); Selections from Boswell's *Life of Johnson* (200 pages); Franklin's *Autobiography*; Selections from Irving's *Sketch Book* (200 pages) or his *Life of Goldsmith*; Southey's *Life of Nelson*; Lamb, Selections from *Essays of Elia* (about 100 pages); Lockhart's Selections from the *Life of Scott* (about 200 pages); Thackeray's *Lectures on Swift*, Addison, and Steele in the *English Humorists*; Macau-

lay's essays, any one of the following: *Lord Clive*, *Warren Hastings*, *Milton*, *Addison*, *Goldsmith*, *Frederick the Great*, *Madame d'Arblay*; Trevelyan's *Selections from the Life of Macaulay* (about 200 pages); Ruskin's *Sesame and Lilies*, or *Selections* (about 150 pages); Dana's *Two Years Before the Mast*; Lincoln's *Selections*, including at least the two *Inaugurals*, the *Speeches in Independence Hall* and at *Gettysburg*, the *Last Public Address*, the *Letter to Horace Greeley*, together with a brief memoir or estimate of Lincoln; Parkman's *The Oregon Trail*; Thoreau's *Walden*; Lowell's *Selected Essays* (about 150 pages); Holmes' *The Autocrat of the Breakfast Table*; Stevenson's *An Island Voyage* and *Travels with a Donkey*; Huxley's *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*; A Collection of Essays by Bacon, Lamb, De Quincey, Hazlitt and Emerson and later writers; a collection of letters by various standard writers.

GROUP V.—MISCELLANEOUS.

For any selection from this group a selection from any preceding group may be substituted.

Howells, *A Modern Instance*, *The Rise of Silas Lapham*; A Collection of Contemporary Verse (about 150 pages); A Collection of Prose Writings on Matters of Current Interest (about 150 pages); Two Modern Plays, such as Peabody's *The Piper* or Drinkwater's *Abraham Lincoln*.

(c) Classics for Study 1. unit

One selection from each of the following groups:

GROUP I.—DRAMA.

Macbeth or *Hamlet*.

GROUP II.—POETRY.

Milton's *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*; Tennyson's *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*, Browning, selections listed in GROUP III above.

GROUP III.—BIOGRAPHY.

Macaulay's life of *Johnson*; Carlyle's essay on *Burns*, with a selection from *Burns' Poems*; Arnold's *Wordsworth*, with brief selection from *Wordsworth's Poems*.

GROUP IV.—ORATORY.

Burke's speech on *Conciliation with America*; A collection of orations to include at least Washington's *Farewell Address*, Webster's *First Bunker Hill Oration*, and Lincoln's *Gettysburg Address*.

FRENCH: (a) Elementary (Two-year course) . . . 2. units

The forms and uses of the various parts of speech, including irregular verbs; translation of 200 or more pages of modern prose into idiomatic English; translation of simple English sentences into French; emphasis on pronunciation, with phonetic drill and as much oral practice as possible. The 200 pages of reading should be selected from texts such as the following: Méras & Roth: *Petit Contes de France*; Labiche et Martin: *Le Voyage de Monsieur Perrichon*; Halévy: *L'Abbé Constantin*; Contes de Daudet; Maupassant: *Contes Choisis*.

(b) Intermediate 1. unit

Translation of 400 or more pages of French of ordinary difficulty; composition.

GENERAL SCIENCE: 5 or 1. unit

A course such as is contained in Caldwell and Eickenberry's *General Science*; laboratory work. Holden's *Real Things in Nature* will not be credited for this work.

GERMAN: (a) Elementary (Two-year course) . . . 2. units

Inflection, including the most common strong verbs; the ordinary laws of German syntax; translation of 200 or more pages of easy German into idiomatic English; translation of simple English sentences, based upon passages read, into German.

(b) Intermediate 1. unit

Translation of 400 or more pages of German of ordinary difficulty; composition.

GREEK: (a) Grammar and Composition 1. unit

Acquaintance with the more usual forms and constructions; simple narrative in English, based upon Xenophon's *Anabasis*, to be translated into Greek.

(b) Xenophon 1. unit

The first four books of the *Anabasis*.

(c) Homer 1. unit

The first three books of the *Iliad* (omitting II, 494—end), with study of Homeric forms, constructions, and prosody.

- HISTORY:** (a) The history of the United States, as outlined in the best text-books for high schools 1. unit
 (b) The history of Greece and Roman as outlined in the best text-books for high schools 1. unit
 (c) The history of England as outlined in the best text-books for high schools 1. unit
 (d) Mediæval History 1. unit
- LATIN:** (a) Grammar and Composition 1. unit
 Forms, syntax, and prosody; simple narrative in English, based upon the prose read, to be translated into Latin.
 (b) Cæsar 1. unit
 The first four books of the Gallic War, or equivalent.
 (c) Cicero7 unit
 The four orations against Catiline, or equivalent.
 (d) Vergil 1. unit
 The first six books of the Æneid, study of hexameter verse.
 (e) Cornelius Nepos 1. unit
 The first fifteen lives.
- MATHEMATICS:** (a) Elementary Algebra 1. unit
 A high school algebra to quadratic equations.
 (b) Advanced Algebra5 or 1 unit
 Review of elementary algebra and quadratic equations, binomial theorem, and progressions.
 (c) The whole of Plane Geometry 1. unit
 (d) The whole of Solid Geometry5 unit
 (e) Trigonometry5 unit
 Plane trigonometry and spherical trigonometry through right triangles.
- PHYSICS:**5 or 1. unit
 A course such as is contained in Millikan and Gale's Physics or Carhart and Chute's High School Physics; laboratory work such as is outlined in Millikan and Gale's Physics.
- PHYSIOGRAPHY:**5 or 1. unit
 A year's course such as is contained in any standard text-book; laboratory work or equivalent.

PHYSIOLOGY:5 unit

A course such as is contained in any standard text-book.

SPANISH: Elementary (Two-year course)..... 2. units

Pronunciation: a thorough drill in Spanish sounds, with oral reading and class-room conversation. Grammar: a complete grounding in syntax; verbs, regular, radical-changing, and irregular, in the various moods, tenses, and constructions; nouns, pronouns, adjectives, and adverbs, including the more frequent idioms; conjunctions and prepositions; common idioms. Reading: translation of approximately 200 pages of easy Spanish prose into English, with special attention to idiomatic rendering. Composition: translation of English sentences into Spanish, based on the grammar and class reading. The 200 pages of reading should be selected from texts such as the following:

Uribe-Troncoso, *Por tierras mejicanas*; Fuentes y François, *A trip to Latin America*; Taboada, *Cuentos alegres*; Roessler and Remy, *First Spanish Reader*; Ewart, *Cuba y las costumbres cubanas*; Wilkins, *Beginners' Spanish Reader*.

ZOOLOGY:5 or 1. unit

A year's course such as contained in any standard text-book; laboratory work.

VOCATIONAL SUBJECTS

The University will accept, as elective units for entrance, work in the vocational subjects outlined below, to the value of not more than three units. Credit will be allowed for these subjects only after special investigation as to the merit of the work done. The content of these courses is essentially the same as that adopted by the Association of Colleges and Preparatory Schools of the Southern States.

GENERAL AGRICULTURE: 2. units

A four year course consisting of three recitation periods and two double laboratory periods a week, extending through four school years.

- BOOKKEEPING: 1. unit
A one year course covering the simple forms in single and double entry bookkeeping.
- COMMERCIAL ARITHMETIC: 1. unit
A one year course such as is contained in any standard text-book of commercial or business arithmetic.
- COMMERCIAL GEOGRAPHY:5 unit
A half-year course such as is contained in any standard text-book.
- STENOGRAPHY AND TYPEWRITING: 1. unit
Credit will be allowed for work in these two subjects only if presented together. Neither subject will be credited separately.
- MANUAL TRAINING: 2. units
A total of not more than two units may be presented from the list of courses in shop work recommended by the Committee on Manual Training of the Southern Commission on Accredited Schools. The time required for each unit is to be not less than 240 sixty-minute hours.

EXPENSES

Every effort is made to reduce to the lowest point the necessary expenses of an education at the University. The entire annual expenses need not exceed \$400 and they frequently may be reduced to \$300.

TUITION

College of Liberal Arts:

Tuition fee each quarter \$20.00

*Matriculation fee each quarter 12.00

Total each quarter \$32.00

Same as for the College.

School of Applied Science:

Same as for the College.

School of Education:

Same as for the College.

School of Commerce:

Same as for the College.

School of Public Welfare:

Same as for the College.

School of Engineering:

Same as for the College.

Graduate School:

Same as for the College.

School of Law:

Tuition for Fall and Spring Terms, each..\$37.50

† Matriculation fee, each term 17.50

School of Medicine:

† Tuition fee, including all fees, each
quarter\$67.00

School of Pharmacy:

Same as for the College.

* This fee includes the gymnasium fee, the library fee, the fee for attendance of the University physician and of the University nurse, and the fee for athletics. In the fall quarter this fee is \$12.50, including also the fee for debates.

† The registration fees in the fall term or quarter are increased by fifty cents, the fee for debates.

FEES

LAUNDRY FEE: Students will be required to send their washing to the University Laundry for which a deposit will be collected at the time of registration.

LABORATORY FEES: Every student taking a laboratory course must pay, in addition to his tuition fee, a small fee for power or materials used in the laboratory. The fees for the various laboratory courses are as follows:

ACCOUNTING

1-2	\$ 3.00 a quarter	5-6	\$3.00 a quarter
3-4	3.00 a quarter	10	2.00

BOTANY

1	\$ 4.00	4-5-6	\$4.00 a quarter
2	4.00	107-108-109	4.00 a quarter
3	4.00	110-111-112	4.00 a quarter

CHEMISTRY

1-2	\$ 4.00 a quarter	47	\$ 7.00
1-2E	4.00 a quarter	61	7.00
11-12	7.00 a quarter	62	7.00
21-22-23	10.00 a quarter	63	7.00
31	10.00	81	4.00
35	10.00	82	4.00
41	10.00	117-118-119	10.00 a quarter
42	10.00	127-128-129	10.00 a quarter
45	7.00	177-178-179	10.00 a quarter
46	7.00	197-198-199	10.00 a quarter

ENGINEERING

6abc	\$ 2.00 a quarter	50abc	\$ 5.00 a quarter
11bc	2.00 a quarter	60abc	5.00 a quarter
22ac	2.00 a quarter	61abc	6.00 a quarter
23c	3.00	62abc	4.00 a quarter
26abc	2.00 a quarter	63abc	5.00 a quarter
30	10.00 a quarter	64abc	7.00 a quarter
33ab	2.00 a quarter		

GEOLOGY

1-2	\$ 3.00 a quarter	13	\$3.50
3-4	5.00 a quarter	14	3.50
5-6	3.50 a quarter	15	3.50
7	3.00	18-19-20	3.50 a quarter
8-9	3.50 a quarter	21-22	2.50 a quarter
10	3.50	23-24	2.50 a quarter
11-12	3.50 a quarter	25	2.00

PHARMACY

4-5	\$5.00 a quarter	14-15	\$10.00 a quarter
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PHYSICS

1	\$2.50		
2	4.00	1-2-3E	\$2.50 a quarter
6	2.50	12	5.00
9	2.50	13-14	5.00

PSYCHOLOGY

1-2	\$1.00 a quarter		
10-11-12	\$2.00 a quarter	101-102-103	\$2.00 a quarter

ZOOLOGY

1	\$5.00	5	\$5.00
2	5.00	6-7-8	3.00 a quarter
3	5.00	109-110-111	5.00 a quarter
4	5.00	112 (1)	5.00
		112 ($\frac{1}{2}$)	3.00

PHARMACOLOGY

10	\$5.00
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Board

Excellent board is furnished at Swain Hall for \$21.00 a month. A few students can earn their board by waiting on the tables.

Board without room can be obtained in the town from \$22.50 to \$35.00 a month.

Dormitory Accommodations

Accommodations for something over thirteen hundred students are available in the University dormitories. For a list of the dormitories see page 48.

All rooms in the dormitories are completely furnished. Students will, however, provide their own pillow, bed linen (single beds), and towels.

Room rent ranges from \$3.00 to \$8.00 a month for each occupant, the price depending upon the location of the room. This charge includes light, heat and service.

PECUNIARY AID

FELLOWSHIPS AND SCHOLARSHIPS

THE GRAHAM KENAN FELLOWSHIP IN PHILOSOPHY. A fellowship supported by the income from an endowment of twenty-five thousand dollars, established in 1921, by Mrs. Graham Kenan, in memory of her husband, an alumnus and trustee of the University. This Fellowship is awarded annually by Professor H. Horace Williams.

THE LEDOUX FELLOWSHIP IN CHEMISTRY. (Established in 1911 by Dr. Albert R. Ledoux). The holder is expected to devote himself to research in chemistry. This fellowship is endowed, and yields \$300 annually.

THE JULIAN S. CARR FELLOWSHIP, endowed in 1916 by General Julian S. Carr. A fellowship valued at about \$300 to be awarded at Commencement each year to a member of the rising Junior class or Senior class who has shown by the high scholastic quality of his work that he is worthy of help, and who, during his first years in college, has earned his way in whole or in part. The holder of this fellowship is selected by a faculty committee, and applications should be made before May 15.

THE HOLT SCHOLARSHIPS. Four scholarships, valued at one hundred and twenty-five dollars each, are maintained by the income from the Holt Loan Fund, established in 1920 by Mr. Lawrence S. Holt, Jr. They are awarded by the Committee on the Holt Fund, to a member of each of the four classes in the Academic Department. Applications are considered after the opening of the University in the fall.

THE CAMERON SCHOLARSHIPS. (Established in 1892.) The heirs of Paul Carrington Cameron founded in his memory ten scholarships of the value of \$60 each.

THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES' SCHOLARSHIPS. (Established in 1893.) The Dialectic and Philanthropic Literary Societies of the University founded

two scholarships of the value of \$60 each, recipients of which shall give assistance in the Library.

THE MOORE SCHOLARSHIPS. (Established in 1881.) Bartholomew Figures Moore, of Raleigh, bequeathed \$5,000, the interest of which shall be devoted to paying the tuition of students.

THE MARY ANN SMITH SCHOLARSHIPS. (Established in 1891.) Miss Mary Ann Smith bequeathed \$37,000 for the foundation of scholarships, the number of scholarships to be determined by the amount of the income.

THE MARY RUFFIN SMITH SCHOLARSHIPS. (Established in 1885.) Miss Mary Ruffin Smith bequeathed to the University, in memory of her brother, Dr. Francis Jones Smith, a valuable tract of land in Chatham County of 1,460 acres, known as Jones' Grove. The will provides that rents of the land, or the interest on the purchase money if sold, shall be used to pay the tuition of such poor students as the faculty shall appoint.

THE SPEIGHT SCHOLARSHIPS. (Established in 1892.) The late Mrs. Mary Shephard Speight bequeathed \$10,000 to the University. The income shall be used to pay the tuition of needy students; but if tuition is ever made free, the income shall be used toward paying the salaries of the professors.

THE WOOD SCHOLARSHIPS. (Established in 1892.) Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her late husband, Dr. Thomas Fanning Wood, two scholarships of the value of \$60 each, one in medicine and one in the college.

THE WEIL SCHOLARSHIP. (Established in 1898.) A fund established by Mr. Henry Weil, of Goldsboro, furnishes one scholarship of the value of \$60.

THE ARMFIELD SCHOLARSHIPS. (Established in 1901 and 1904.) These scholarships are founded by the generosity of Mr. Eugene M. Armfield, of the Class of 1888, High Point, N. C.

THE ALUMNI SCHOLARSHIPS. These scholarships have been established by the gifts of Alumni. A scholarship will be awarded for each \$1,000 given.

THE KENNETH MURCHISON SCHOLARSHIPS. (Established in 1904.) These scholarships have been founded by Mrs. Shirley Carter, of Baltimore, Md., and the late Mrs. James Sprunt, of Wilmington, N. C., in memory of their father. They are awarded by the founders.

THE R. H. LEWIS SCHOLARSHIPS. Four scholarships, endowed by the University Gymnasium Association, and called The R. H. Lewis Scholarships, are assigned by the President, and are good for tuition in the Academic Department.

THE DONALD FAIRFAX RAY SCHOLARSHIP. (Established in 1919.) Mrs. N. W. Ray, of Fayetteville, N. C., has established this scholarship in memory of her son, Donald Fairfax Ray, a graduate of the University, who died while in the service of his country.

THE MILDRED WILLIAMS BUCHAN SCHOLARSHIP. A fund of one thousand dollars established in 1920 by Mr. Edward Robertson Buchan, in memory of his wife, the income of which is to support a scholarship in the Department of Philosophy.

None of these scholarships is open to students in the Schools of Law, Medicine, and Pharmacy.

All applications for scholarships must be filed in the President's office on or before August 15, and must be in the regular form prescribed by the University. Blank forms are supplied on application to the President.

FREE TUITION

By an act of the Legislature in 1887, free tuition is given to candidates for the ministry, to the sons of ministers, to young men under bodily infirmity, to teachers, and to young men preparing to teach. In order to secure this free tuition, young men preparing to teach must agree to teach in North Carolina for at least two years after leaving the University.

Such students must have their work under the supervision of the Dean of the School of Education in order to insure their being prepared to teach when they have completed their work here. This enables the University to aid effectively the public school teachers of the State.

LOAN FUNDS

THE DEEMS FUND. (Established in 1879.) A fund of \$600 was established by Rev. Charles Force Deems, D.D., late pastor of the Church of the Strangers, New York City, formerly a professor in the University, in memory of his son, Lieut. Theodore Disosway Deems. In 1881 the gift was greatly enlarged through the munificence of Mr. William H. Vanderbilt by a gift of \$10,000 "as an addition to the Deems fund, to be loaned to indigent students of the University."

THE MARTIN FUND. This fund has been established by the bequest of Mr. Thomas D. Martin, of Raleigh. Only the interest of the fund can be used for loans. It became available during the session of 1907-1908.

THE HOGUE FUND. A fund of \$4,000 has been established by the Rev. R. W. Hogue, of Baltimore, the income from which is to be loaned to worthy students in the University.

THE HEWITT FUND. A fund of \$20,000 was established by the bequest of Mr. Joseph Henry Hewitt, of Princess Anne County, Virginia. Only the income from this fund can be used for loans to "needy and deserving students" of the University. This fund became available during the session of 1919-1920.

THE HOLT FUND. A fund of \$10,000 has been established by Mr. Lawrence S. Holt, Jr., of Burlington. The principal of this fund is to be loaned to "worthy and needy students of the University." The income from this fund is to be used in establishing four scholarships in the University. It became available during the session of 1920-1921.

THE VICTOR S. BRYANT FUND. A fund of \$7,500 has been established by the bequest of Mr. Victor S. Bryant, of Dur-

ham. Only the interest of this fund can be used for loans to "worthy and needy young men" at the University. This fund became available during the session of 1920-1921.

THE MASONIC LOAN FUND. A fund of \$1,250 has been established by the Grand Lodge of Masons, the Grand Chapter of Royal Arch Masons, and the Grand Commandery of Knight Templar, of North Carolina, for the purpose of "assisting worthy boys and girls to secure an education." The principal of this fund is loaned, and the interest is added thereto. The fund became available in the fall of 1922.

THE SEELY FUND. A fund of one thousand dollars has been established by Mr. F. L. Seely of Asheville, the principal of which is to be loaned to worthy and needy students, and the income therefrom to be added to the principal. This fund became available during the fall of 1922.

All applications for loans must be filed in the President's office on or before September 15.

Applications for loans will not be considered unless accompanied by testimony from responsible persons as to poverty and merit. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest.

Self-Help

It is confidently believed that no institution offers wider opportunity for self-help to meritorious students of slender means. The desire is that no worthy boy, however poor, shall ever be turned away for lack of means. To such the University and town offer unusual opportunities for support. Many students are now working their way through college by every form of honorable labor. A number are here as a result of money earned or borrowed. A few students are selected by the authorities as waiters at Swain Hall. Otherwise, all opportunities available in the University and town must be secured by the personal efforts of the individual, or with the assistance of the Faculty Committee on Self-Help. They are not assigned by the President.

MEDALS AND PRIZES

THE MANGUM MEDAL IN ORATORY. (Established 1878.) A gold medal founded by the Misses Mangum, late of Orange County, in memory of their father, Willie Person Mangum, Class of 1815, is continued by his granddaughter, Mrs. Stephen B. Weeks, and awarded to that member of the Senior Class who shall deliver the best oration at Commencement.

THE BINGHAM PRIZE IN DEBATE. (Establishd in 1899.) This prize is offered by Mr. R. W. Bingham in memory of his great-grandfather, grandfather, father, and brother. It is given annually for excellence in debate. The contestants are representatives of the Literary Societies, and the contest is held on Tuesday evening of Commencement week.

THE KERR PRIZE IN GEOLOGY AND MINERALOGY. (Established in 1889.) A prize of \$50 is offered annually by Mr. William H. Kerr in memory of his father, Professor Washington Caruthers Kerr, to any undergraduate or graduate student for the best thesis containing original work in the geology or mineralogy of North Carolina.

THE EBEN ALEXANDER PRIZE IN GREEK. (Established in 1887.) A prize of \$10 is offered annually to that member of the Sophomore Class who shall present the best rendering into English of selected passages of Greek not previously read.

THE EARLY ENGLISH TEXT SOCIETY PRIZE. (Established in 1886.) A special prize is offered annually by the Early English Text Society of London for advanced work in Anglo-Saxon and Middle English.

THE BRYAN PRIZE. (Established in 1903.) A prize will be given annually by Mr. William Jennings Bryan for the best thesis in Political Science.

THE HUNTER LEE HARRIS MEMORIAL. (Established in 1903.) Dr. Charles Wyche, of St. Louis, offers annually, in

memory of Hunter Lee Harris, of the Class of 1893, a gold medal for the best original story by any student in the University.

THE WILLIAM CAIN PRIZE IN MATHEMATICS. (Established in 1908.) A gold medal is offered annually by Professor William Cain to that student who shall take the highest rank in Mathematics 11-12. No student will be recommended for the prize unless he attain to grade 2.

THE PRESTON CUP, given by the Hon. E. R. Preston in memory of his brother, Ben Smith Preston, will be awarded annually to the undergraduate student who during the months September to April has done the best work of a journalistic nature.

MARY D. WRIGHT MEMORIAL MEDAL, given by Mr. P. E. Wright of Landis. A \$25 gold medal will be awarded annually to the best speaker in the winning team of the two Literary Societies.

STANTON BYRD MCKINNON MEMORIAL MEDAL. A gold medal awarded through the generosity of Mrs. Graham McKinnon, of Rowland, in memory of her son, Stanton Byrd McKinnon, a prospective student of the University of North Carolina, to be given annually to that member of the Freshman Class who makes the highest grade in Freshman English.

THE ARCHIBALD HENDERSON PRIZE IN MATHEMATICS. A prize of twenty-five dollars in gold is given by Professor Archibald Henderson to the graduate student who produces the best piece of original research in mathematics. This award was made at commencement 1922 for the first time.

THE BURDICK MEMORIAL PRIZE IN JOURNALISM of twenty dollars is given by Mrs. Julia W. Burdick in memory of her son, Edmund. Edmund Burdick was a member of the class of 1920 and gave great promise of a successful journalistic career by his active work on campus publications. The prize is awarded to that reporter of The Tar Heel staff who shows most zeal and accuracy in his service to the paper.

THE MARVIN CARR PRIZE IN CHEMISTRY to the value of twenty-five dollars is given by General Julian S. Carr in memory of his son to the senior in the course leading to Bachelor of Science in Chemistry who makes the highest average in his course.

Certain prizes are offered also in the Professional Schools of Law, Medicine, and Pharmacy. For these, see under the several schools.

REGULATIONS

REGISTRATION

All students are expected to present themselves for registration *Tuesday* or *Wednesday, September 18 or 19, 1923*, between the hours of 9 a. m. and 5 p. m., at the places announced in the plan for registration. For the Winter and Spring terms the same hours will be used on days fixed by the calendar for the registration of students.

ARRANGEMENT OF COURSES

Every student, when he presents himself for registration, must submit a list of courses, required and elective, which he desires to pursue.

No student will be allowed to take fewer than three nor more than three and one-half courses without special permission of his Dean.

Students desiring to change their courses must make written application to their respective Deans for the desired changes. The application will be considered by the Dean and will be granted only after a careful consideration of the facts in each case. No changes will be permitted after the first Tuesday following the registration days except such as are granted after application to, and approval by, the Faculty. A fee of twenty-five cents will be charged for each item of change.

Candidates for more than one degree shall not offer the same elective in two courses nor a required study in one course as an elective in another.

ASSIGNMENT OF ROOMS

The rooms in the University dormitories are assigned to students by the Treasurer in the order of application, subject to the special regulations given below.

The University reserves the right to require any student whom for any reason it considers an undesirable tenant to vacate a room in the University buildings.

All occupants are required to sign a contract, subject to the following special rules:

In order to retain his room for the next session, a student must file with the Treasurer before June 15, a room contract properly signed and a deposit of \$5. Double rooms must be signed for by both intending occupants. The rooms thus signed will be retained until September 15, when balance of rent is due. The \$5 deposit will be forfeited in case the signer or signers do not themselves occupy the room and pay the full rent. Rooms not signed for or made vacant by failure to pay at the proper date will be assigned in the order of application. No dogs shall be kept in the University dormitories. Breach of this regulation leads to forfeiture of the room.

The right to occupy a room is not transferable and terminates with the expiration of the lease. Any attempt on the part of an occupant of a room to sell or transfer his right to occupancy shall be deemed a fraudulent transaction. The penalty of violating this rule shall be the forfeiture of the room by the new lessee.

The occupant of a room will be held directly responsible for any damage done to the furniture supplied in his room by the University.

CONDUCT

By order of the Board of Trustees the Faculty is directed to dismiss from the University any student who is known to engage in drinking intoxicating liquors, gambling, hazing in any form (presence at hazing is regarded as participation), or to be guilty of dissolute conduct.

Students persistently neglectful of duty, or addicted to boisterous conduct or rowdyism, may be required to leave the University.

Honorable dismissal has reference to conduct and character only. It will not be granted unless the student's standing as to conduct and character is such as to entitle him to continue in this University. Furthermore, in every statement of honorable dismissal full mention will be made of any probation, suspension, or other temporary restriction imposed for bad conduct which is still in force when the papers of dismissal are issued.

Statement of record has reference to the recorded results of a student's work in the classroom. It will in every instance contain all the important facts pertaining to the student's admission, classification, and scholarship. In particular, no partial or incomplete classroom record (for example, with failures omitted) will be given without clear evidence that it is partial or incomplete. If the student's scholarship has been such as to prevent his continuance in this University or to render him subject to any probation, suspension, or other temporary restriction which is still in force at the date of the record, a plain statement of any and all such facts will be included, and such information will be given as will make clear the system of grades employed, the number of exercises a week devoted to each course, etc.

ATTENDANCE

Regular attendance upon lectures and recitations is required of all students.

In any term, absences are counted from the first regular meeting of each class. In no case will a student be considered present at any class until he has been registered as a member of that class.

When a student's absences from a class during any term amount to ten in a full course or six in a half-course, he may, at the discretion of the Dean of his College or School, be dropped from the course. The Registrar will notify the Dean of his College or School when a student has incurred absences amounting to three in a full course or two in a half-course.

At the same time the Dean will be supplied with a statement of the number of absences warranted by the University Physician's report or by a leave of absence. When at least half the absences of a student in any course are due to prolonged sickness or to leaves granted by the Registrar, or to representing the University as a member of an authorized student organization, the student ordinarily will not be dropped from such course.

A student who has been dropped for absences from a sufficient number of classes to reduce his schedule to one course

will be suspended from the University for the remainder of the term on the ground of neglect of duty.

The grade of a student who quits a course without the permission of the Dean of his college or school is recorded officially as F.

A student who is absent from any class without permission on the day immediately preceding or immediately following a holiday or recess will be put on strict probation by the Executive Committee for such length of time as the Committee may determine.

Attendance at chapel is compulsory for all students in the University, except for members of the professional schools and for such others as are specially excused. Absence from chapel will subject the student to discipline by the Executive.

No student is allowed to absent himself from the University without written permission from the President or his representative. This permission may, at the discretion of the executive officer, be granted only upon the formal request of the parent or guardian.

EXAMINATIONS

Regular written examinations are required at the end of each term in all courses except those the nature of which is such as to make written examinations unnecessary.

Special examinations for students who have been officially excused from regular examinations on account of sickness or have been absent on account of some necessary cause may be held at suitable times fixed by the Registrar and the instructors concerned.

Special examinations may be taken by students who have received the condition grade (E) or have been officially excused from regular examinations within the preceding twelve (12) months at the period of special examinations in the week preceding the opening of the session in September.

Provided he has no conflict with a course regularly taken by him in the term such a student may take an examination at the *first* regular term examination in the same subject after he has made the grade E or has been officially excused.

To be entitled to take a special examination in term, or at the September period, or at a regular term examination period, the student is required to file with the Registrar at least one week prior to the examination period a written notice that he desires to take such examination. Final examinations except in laboratory practice may not be held at any times other than those specified in the preceding regulations.

No examinations may be held later than 6:30 p. m.

All examinations must be held in Chapel Hill.

Examinations should be limited to a period of two hours. In courses in which a considerable portion of the examination is of a *practical* nature, the instructor may extend the time in his discretion.

No students other than the following should be permitted to take the examination in any course: 1st—regularly enrolled members of the class whose names have been reported to the instructor as having registered in due form for the course; and 2nd—those whose names have been reported from the Registrar's office as having the right to take special examinations on that course.

Students absent from an examination without an official excuse or present and failing to submit examination papers are reported "absent." This mark is equivalent in every respect to grade F or failure, and is so reckoned in the office of the Registrar.

Each student is required to subscribe his name to the following pledge or its equivalent on every paper: I hereby certify that during this examination I have neither given nor received aid. The instructor should not report a grade for any student whose examination paper lacks this pledge.

Papers handed in at special examination by students who have been officially excused from the regular examination will be graded. All others will be marked "passed" or "failed."

Schedules of examinations at the ends of the terms and in September are to be so arranged that examinations set for the last day of a period shall be set for the first day of the next period.

The time of an examination for a given course may be changed to another time within the examination period by

unanimous consent of the class, the instructor concurring, provided written notice is given at least one week before the examination is to be held and the change is noted by the Registrar on his schedule of examinations.

The order of examinations for the removal of conditions in September, 1923, will be as follows:

Wednesday, September 12.

10. A. M. Education	2:30 P. M. Accounting
English	Chemistry
German	Philosophy

Thursday, September 13.

10 A. M. Civ. Engineering	2:30 P. M. Economics
Hist. and Govt.	Romance Lang.
Mathematics	Zoology

Friday, September 14.

10 A. M. Bus. Admin.	Botany
Greek	Elec. Eng.
Physics	Latin

Saturday, September 15.

10 A. M. Geology	2:30 P. M.
Psychology	
Rur. Econom.	

STANDING

After the close of each term reports of the standing of all students in all their studies are sent to parents or guardians. The reports are based upon the following systems of marking:

- Grade A, Excellent.
- Grade B, Good.
- Grade C, Fair.
- Grade D, Barely passed.
- Grade E, Conditioned.
- Grade F, Failed.
- Grade I, Work incomplete.

A student must attain a grade of D to pass in any study. Grade E indicates that the student is conditioned but may re-

move the deficiency by special examination, as explained above. Students receiving grade F must repeat the study to receive any credit for the same.

A student has the right to appeal as to the grading of his examination paper by his instructor. The appeal must be made to the President within three months after the examination. The President will appoint a committee of three persons who shall consider the case and whose decision shall be final.

A student to be ranked as a Sophomore must have passed six courses; to be ranked as a Junior, fifteen courses, to be ranked as a Senior, twenty-six courses.

No first-year student who fails to pass at least five courses, and no second or third-year student who fails to pass seven courses, shall be readmitted to any division of the University the following year except by a special vote of the Faculty or a delegated committee of the Faculty.

GRADUATION

Each Senior will be officially informed by the Registrar in September of all deficiencies standing against him.

The number of orations in the contest for the Mangum Medal is limited to four. The candidates must be Seniors in the College, the School of Applied Science, the School of Engineering, the School of Education, or the School of Commerce, and must announce their subjects to their respective Deans by February 1. The orations shall be delivered in private before a committee of the Faculty on May 1, who shall decide upon the relative merits of the orations. The four successful candidates are known as the Commencement Orators of the Senior Class.

FRATERNITIES

Undergraduate students may join fraternities after registration in their Sophomore year. Fraternity men are not allowed to pledge Freshmen to join fraternities.

ATHLETICS

Organization

I. *The Faculty Committee on Athletics*, consisting of seven members, controls and directs all matters pertaining to the general athletic policy of the University, the eligibility of players, and the approval of schedules.

II. *The Athletic Council*, consisting of the graduate manager, the managers of all athletic teams, the editor of the "*Tar Heel*," a member from the student body at large, and a member of the faculty, apportions the athletic funds.

III. *The Alumni Athletic Council*, consisting of the graduate manager and five alumni, one of whom must be a member of the faculty, has entire charge of the coaching staff.

Rules of Eligibility

The eligibility of players on the University athletic teams is governed by the Rules of Eligibility of the Southern Intercollegiate Conference (See pages 96-98) and by the following:

1. No student will be allowed to take part in athletic contests entailing absence from the University whose parent or guardian objects to such participation.

2. A student must have passed satisfactory examinations upon at least two full courses or their equivalent in his last quarter of attendance before he will be allowed to represent the University in any athletic contest. No student may be a candidate for the baseball team unless he has been in attendance during the preceding winter quarter without the express permission of the Faculty Committee on Athletics.

3. Inasmuch as a member of an athletic team of this University enjoys special honor in thus representing the University, this privilege shall be withheld from any student whose scholastic standing is discreditable. Any student reported as deficient in a majority of his classes may be prohibited by the Dean of his school from participating in any intercollegiate contest until the deficiency is made good.

4. No team will be allowed to be absent from the University for more than ten lecture days during any quarter.

5. The manager of each athletic team shall submit to the Committee on Athletics a schedule of all engagements before positive arrangements are made.

6. No student shall play upon any athletic team except after physical examination by the Director of the Gymnasium (or by a responsible expert officer of the University acting in his stead and at his request) and with the approval of the Director.

7. Before any student can become a member or a substitute member of any athletic team of the University and take part in any intercollegiate contest he must make application to the Committee on Athletics in the University and secure the endorsed approval of that committee to his application. It shall be the duty of the Faculty Committee on Athletics to have the Registrar of the University indorse such applications to the effect that the applicant is a registered student of the University and has completed the scholastic requirements.

8. It is the duty of the Faculty Committee on Athletics to inquire into the athletic record of the applicant and it shall be the duty of the applicant to appear before the committee and answer on his honor such questions as the committee may see fit to ask.

9. It is the duty of the Faculty Committee on Athletics to require a pledge in writing of the applicant, certifying on his honor that he has never accepted, directly or indirectly, remuneration, compensatory gift, valuable consideration, or promise thereof for his athletic services. The applicant must satisfy the committee that he is in the proper and strict sense of the word an amateur before the committee indorses his application.

10. It is the duty of the graduate manager, the members of the coaching staff, the president and the treasurer of the Athletic Association, the members of the Athletic Council, the director of the gymnasium, and the captain of the team concerned to furnish the Faculty Committee on Athletics, on request, a statement to the effect that each member of an athletic team is above their suspicion as to his eligibility to represent the University as an amateur before such player shall be allowed to take part in any contest.

Rules of Eligibility of the Southern Inter-Collegiate Conference

The following rules apply to all sports:

Rule 1.—*Bona Fide Students.* No one shall participate

in any intercollegiate contest unless he is a bona fide matriculated student regularly enrolled and doing full work as defined by the regulations of the institution in which he is enrolled.

Rule 2.—No person shall participate in intercollegiate athletics at an institution until after the expiration of twelve months from the date of his matriculation there, and until he shall have completed the scholastic requirements of that institution.

Rule 3.—*Attendance.* No student having been a member of any athletic team of his college during any year and having been in attendance less than six months of the college year shall be permitted to participate in any intercollegiate contest thereafter until he shall have been in attendance six calendar months.

Note.—Attendance during Summer Sessions is not counted as "attendance" for the purpose of this rule.

Rule 4.—*Migrant Students.*

(a) No person who has participated in any intercollegiate contest in any branch of sport as a member of any *college team shall be permitted to participate in any intercollegiate contest in the same branch of sport as a member of a team of any other Institution in this Conference.

(b) Students who have pursued courses of study at one university or *college but who have not participated in any intercollegiate contest, shall be eligible to participate in intercollegiate athletics at another institution, but only when they have satisfied the conditions as set forth in Rule 2—the one-year residence rule.

Rule 5.—*Limit of Participation.* Participation in intercollegiate athletics shall be limited to three years, over a five-year period, counting from the time of first matriculation. Participation in any intercollegiate sport in any college year shall constitute one year of athletic participation.

Rule 6.—*Compensation.*

(a) No person who receives any compensation from his institution for services rendered by way of regular instruc-

* *Definition of "College."* The word "college" as used in this code means any educational institution having in attendance at least one hundred male students of college grade and requiring for admission fourteen Carnegie units.

tion shall be allowed to participate in intercollegiate contests.

(b) No person shall be allowed to participate in any intercollegiate contest who receives any gift, remuneration or pay for his services on a college team.

(c) No person shall be permitted to participate in any intercollegiate contest who has ever used or is using his knowledge of athletics or his athletic or gymnastic skill for gain.

Note.—This rule does not apply to any person who has work in connection with a playground or a summer camp where the requirements do not call for a man with technical preparation in physical training.

Rule 7.—*Summer Baseball.* No athlete in any Conference Institution shall participate as a member of any summer baseball team without the consent of his Faculty Committee on Athletics; and such a player when given permission to play on such team shall submit at the reopening of the school term to his Faculty Committee, a certified statement that he has not received pecuniary compensation therefor.

Rule 8.—No student shall be eligible to participate in intercollegiate contests if he has played on any baseball team which is a member of an organized league operating under the National agreement and under supervision of the National Baseball Commission.

To the list of professional teams thus proscribed shall be added all league teams in any State which the Conference Institutions of such State declare professional and from which they debar their own players.

Rule 9.—*Assumed Name.* No person shall take part in any intercollegiate contest under an assumed name.

Rule 10.—*Delinquency in Studies.* No student who is found delinquent in his studies by the faculty shall be permitted to participate in any intercollegiate contest.

Rule 11.—*Freshmen Teams.*

Freshmen teams shall be composed of members of the freshman class only, who shall not compete as such for more than one year, who shall be eligible under the general rules, with the exception of the one year rule. For the purpose of this rule a Freshman is a student who enters the Institution from a High School or a Preparatory School.

STUDENT GOVERNMENT

The student body of the University is self-governing. The functions of this government are both disciplinary and constructive. These functions are exercised by the Student Council and the Campus Cabinet, respectively.

THE STUDENT COUNCIL

J. O. Harmon, *President*.

C. A. Holshouser, *Secretary*.

E. R. Shirley

J. S. Battle

O. G. Thomas

A. C. Norfleet

W. W. Parker

T. Turner, Jr.

The Student Council is composed of eight members, as follows: The presidents of the three upper academic classes, one representative from each of the professional schools, one representative elected from the student body at large, and one representative elected by the other seven members of the Council. The member elected by the Council must be chosen from among those who have served on the Council before. The President of the Student Body is *ex officio* Chairman of the Council, and the President of the Junior Class *ex officio* Secretary.

Student government, in so far as it is disciplinary, is based upon the honor system. No code of rules is laid down to direct a student what to do and what not to do. The only standards are those of morality and gentlemanly conduct. The Student Council is the head of the honor system. It is the concrete expression of the moral University. Its members being elected of the students by the students, it is grounded upon, and gives expression to, student sentiment. The Council is not an organization of policemen, nor is it based upon a system of espionage. When any student is felt by his fellow students to be unworthy to remain in the University, the Council takes cognizance of this feeling. It examines the matter, finds the facts in the case, and decides upon the

course to be pursued. If the student is found guilty of conduct unworthy of a University man, he is promptly required to withdraw from the University. Among the offenses demanding withdrawal may be mentioned drunkenness, cheating on examination, and gambling.

THE CAMPUS CABINET

A. M. McGee, *President*.

O. G. Thomas	H. F. Comer
G. C. Dale	C. C. Poindexter
E. R. Shirley	W. W. Gwynn
J. O. Harmon	G. W. McCoy
C. K. Massey	J. J. Wade
C. A. Holshouser	Jane Toy
Gerald Pelletier	

The Campus Cabinet is an organization composed of representative students selected as follows:

1. Presidents of the four academic classes.
2. One representative elected by each of the three upper academic classes.
3. One representative elected by each of the professional schools, by the Pan-Hellenic Council and by the Woman's Association.
4. The President of the Student Body.
5. The General Secretary of the Y. M. C. A.
6. The President of the Y. M. C. A.
7. The Editor-in-chief of the *Tar Heel*.
8. The Editor-in-chief of the *Carolina Magazine*.

The object of this organization is to study campus conditions and campus problems and to relate them to the "greater University." It attempts to work out all problems the solution of which would make life of the students more wholesome and more enjoyable. It is not an executive body, mainly, but a suggestive body. It takes up such questions as the social life of the students, the athletic situation as it concerns the entire student body, dormitory improvements, and many other things that it thinks will benefit the students. It is a flexible body and is always ready to discuss and aid any worth while enterprise presented to it.

PUBLIC LECTURES

ARCHIBALD HENDERSON, *Chairman, Committee on Public Lectures.*

THE JOHN CALVIN McNAIR LECTURES

WILLIAM CHAMBERS COKER, *Chairman*

The lecture fund established by the will of John Calvin McNair, of the class of 1849, became available in 1906, and the interest therefrom rendered it possible to begin the lectures in 1908. The honorarium for the lectures amounts to \$500, and the remainder of the interest from the fund provides for the suitable publication of the lectures. Under the will the objects of the lectures "shall be to show the mutual bearing of science and religion upon each other and to prove the existence of attributes (as far as may be) of God from nature."

The lectures for 1908 were delivered by Professor Francis H. Smith, LL.D., of the University of Virginia. The three lectures were:

1. The general theme: God Manifest in the Material Universe.
2. His Attributes as Manifested in Physics.
3. His Attributes as Manifested in Astronomy.

The lectures for 1909 were delivered by President Francis Landey Patton, D.D., LL.D., of Princeton Theological Seminary, New Jersey. The four lectures were:

1. The Authority of the Bible.
2. The Authority of the Church.
3. The Authority of Christ.
4. The Authority of the Reason.

The lectures for 1910 were delivered by President David Starr Jordan, Ph.D., M.D., LL.D., of Leland Stanford, Jr., University, California. The lectures were on the theme:

The Stability of Truth.

The lectures for 1911 were delivered by Professor Henry Van Dyke, D.D., LL.D., of Princeton University. The three lectures were:

1. The Poetry of Nature.
2. The Poetry of Patriotism and Humanity.
3. The Poetry of the Unseen World.

The lectures for 1912 were delivered by President Arthur Twining Hadley, A.M., LL.D., of Yale University. The three lectures on the general subject, Some Tendencies of Modern Philosophic Thought, were:

1. Changed Conceptions of Science.
2. New Views of Ethics and of Politics.
3. The Spiritual Basis of Modern Literature.

The lectures for 1913 were delivered by Professor Francis G. Peabody, A.M., D.D., LL.D., of Harvard University. The three lectures were:

1. The Practicability of the Christian Life.
2. The Christian Life and the Modern Home.
3. The Christian Life and Modern Business.

The lectures for 1914 were delivered by President George Edgar Vincent, Ph.D., LL.D., of the University of Minnesota. The title of the series was The Social Vision, and the lectures were:

1. The Sense of the State.
2. The Larger Selfishness.
3. The Kingdom of God.

The lectures for 1915 were delivered by Professor John Dewey, Ph.D., LL.D., of Columbia University. The three lectures on the general theme, Philosophy and Politics, were:

1. The Division into the Inner and the Outer World.
2. The State and Moral Life.
3. The Philosophy of History.

The lectures for 1916 were delivered by Dean Frederick J. E. Woodbridge, A.M., LL.D., of Columbia University. The

title of the series was *The Purpose of History*, and the three lectures were:

1. *From History to Philosophy.*
2. *The Pluralism of History.*
3. *The Continuity of History.*

The lectures for 1917 were delivered by Professor Hugh Black, M.A., D.D., of Union Theological Seminary. The title of the series was *The Great Questions of Life*, and the three lectures were:

1. *Is God?*
2. *Has God said?*
3. *Shall Man Say to God?*

No lectures on this foundation were delivered in the years 1918 and 1919.

The lectures for 1920 were delivered by Professor Edwin Grant Conklin, Sc.D., of Princeton University. The title of the series was "*The Direction of Human Evolution*," and the lectures were:

1. *The Possibilities of Human Evolution.*
2. *Evolution and Democracy.*
3. *Evolution and Religion.*

The lectures for 1921 were delivered by Professor Paul Shorey, Ph.D., LL.D., Litt.D., of the University of Chicago. The title of the series was "*Plato's Relation to the Religious Problem*," and the lectures were:

1. *Plato and the Irreligion of Pseudo-Science.*
2. *Plato and Natural Theology.*
3. *Plato and Ethical Religion.*

The lectures for 1922 were delivered by the Rev. Charles Allen Dinsmore, D.D., of Yale University. The general topic was "*Religious Certitude in an Age of Science*," and the lectures were:

1. *The Influence of Science upon Religious Thought.*
2. *The Nature and Truth of Religion.*
3. *Religious Certitude and Beliefs.*

THE WEIL LECTURES

During the years 1914-1915 an unendowed lectureship on American Citizenship was established by the University. The first incumbent was ex-President William Howard Taft, who lectured on "The Presidency: Powers, Duties, Obligations and Responsibilities." Since that time this foundation, named the Weil Lectures on American Citizenship, has been permanently established through the generosity of the families of Mr. Sol Weil and Mr. Henry Weil, of Goldsboro, N. C.

The first incumbent on the Weil establishment (1915-1916) was Professor George Brinton McClellan, of Princeton University. The title of the series was American Citizenship, and the three lectures were:

1. The Nation.
2. The Law.
3. The Citizen.

The series for 1916-1917 was delivered by Mr. James A. Macdonald, editor of the *Toronto Globe*. The title of the series was The North American Idea, and the lectures were:

1. The North American Idea in the American Republic.
2. The North American Idea in the Canadian Dominion.
3. The North American Idea and America's Internationalism.

There was no series delivered in 1917-1918 owing to war conditions.

The series for 1918-1919 was delivered by Professor Jacob H. Hollander of Johns Hopkins University. The title of the series was American Citizenship and Economic Welfare, and the lectures were:

1. The Weal of the Nation.
2. The Citizen as Producer.
3. The Citizen as Consumer.

The series for 1919-1920 was delivered by the Hon. Robert Goodwyn Rhett, ex-President of the Chamber of Commerce of

the United States. The title of the series was American Citizenship, and the lectures were:

1. Social America.
2. Political America.
3. Industrial America.

The series for 1920-1921 was delivered by Professor William Bennett Munro of Harvard University. The title of the series was Personality in Politics, and the lectures were:

1. Personality in City Politics—Some Notable American Mayors.
2. Personality in Ward Politics—American Bosses of the Past Generation.
3. Personality in Reform Politics—Why Reformers so often Fail.

The series for 1921-1922 was delivered by Dr. John Huston Finley, Associate Editor, *New York Times*. The title of the series was National and Planetary Consciousness, and the lectures were:

1. Copernican America.
2. The Televictorian Age.
3. Planetary Consciousness.

UNIVERSITY LECTURES

The following University lectures were delivered during the session of 1921-1922:

Isaac F. Marcossou: Adventures in Interviewing.

John A. Lomax: Negro Spirituals.

Josephus Daniels: The Conference on Limitation of Armaments.

Carl Sandburg: The New Poetry.

THE SOUTHERN EXCHANGE LECTURESHIP

In 1914 an exchange lectureship was established by Vanderbilt University, the University of Virginia, the University of South Carolina, and the University of North Carolina. Under the terms of this lectureship each university will send a lecturer to and will be visited by a lecturer from one of the

other universities participating in the lecture foundation. The purposes of this lectureship are: to promote scholarship, to present in concrete form recent advances in some special branch of learning, and to bring the institutions concerned into closer relationship through exchange of ideas in regard to all vital problems affecting a modern university.

The exchange lecturer to the University for 1921-1922 was Professor George Pullen Jackson, Germanic Department, Vanderbilt University, Professor Walter Dallam Toy, Head of Germanic Department, delivering the lectures at Vanderbilt University.

UNIVERSITY SERMONS

Under the auspices of a Faculty Committee, University Sermons are delivered throughout the year in the College Chapel by prominent clergymen.

The sermons for the session 1921-1922 were delivered by:

Rev. Dr. Franklin N. Parker, Emory University, Ga.

Rev. Dr. William Way, Charleston, S. C.

Rev. M. Ashby Jones, Atlanta, Ga.

Rev. Dr. R. F. Campbell, Asheville, N. C.

UNIVERSITY ORGANIZATIONS

THE DIALECTIC SOCIETY AND THE GENERAL ASSEMBLY OF THE PHILANTHROPIC LITERARY SOCIETY

The Dialectic and the Philanthropic Literary Societies were organized in 1795, the year of the opening of the University. Their existence has been inseparably linked with that of the University and they have shown remarkable power in developing character, as well as training the intellect. They offer facilities for practice in debate, oratory, and essay writing; and their members become familiar with parliamentary law and procedure.

In 1919 the Philanthropic Society reorganized itself after the plan of the General Assembly of North Carolina, and is now the General Assembly by the Philanthropic Literary Society, and conducts its meetings as a legislative assembly.

Each society owns a large, handsomely furnished hall, the walls of which are hung with oil portraits of illustrious members, including a President of the United States, Cabinet members, Governors, etc. Meetings are held by each society every Saturday evening of the college year, admission being confined to members. Public contests in debate between the two societies are conducted throughout the year, culminating in the annual Commencement debate. There is also held each year a system of intercollegiate debates and oratorical contests.

By immemorial custom, students from the eastern half of the State usually join the Philanthropic Society, while those from the western half join the Dialectic Society (Chapel Hill being regarded as the dividing line). Although membership in these societies is entirely optional, it is earnestly recommended by the Faculty as furnishing unusual opportunities not only for literary culture, but also for the development of self-control and the power to persuade and control others.

ELISHA MITCHELL SCIENTIFIC SOCIETY

WILLIAM FREDERICK PROUTY, Ph.D., *President.*

OTTO STUHLMAN, JR., Ph.D., *Vice-President.*

JAMES MUNSIE BELL, Ph.D., *Permanent Secretary.*

HENRY ROLAND TOTTEN, A.M., *Recording Secretary and Treasurer.*

WILLIAM CHAMBERS COKER, Ph.D.	} <i>Editors of the Journal</i> <i>of the Elisha Mitchell</i> <i>Scientific Society.</i>
JAMES MUNSIE BELL, Ph.D.	
COLLIER COBB, D.Sc.	

The Elisha Mitchell Scientific Society holds monthly meetings during the college year for the discussion of scientific subjects. A *Journal*, which is the official organ of the Society and of the North Carolina Academy of Science, is issued quarterly. The object of the society is to encourage scientific research and to record results of such work, especially those that pertain to the natural history of the state. The membership is at present restricted to the faculty and students of the University, and members of the staff of the Geological Survey.

At the monthly meetings, which are held on the second Tuesday of each month, excellent opportunities are afforded the students to get beyond the ordinary routine of the classroom by hearing readings and discussions of papers resulting from the research work in all the scientific departments of the University, also talks by the alumni engaged in scientific research, and discussions of the important scientific discoveries. It gives the students and faculty a broader outlook and sympathy for scientific research in fields other than their own special one, a sympathy which is impossible in the smaller departmental societies.

The *Journal* is more than a bulletin of the scientific laboratories of the University. It contains original papers on scientific subjects by scientific men and research students throughout the Southern States. It also publishes the Proceedings of the Elisha Mitchell Scientific Society and the Proceedings of the North Carolina Academy of Science, as well as abstracts of papers on scientific subjects published elsewhere by members of the faculty and alumni of the Uni-

versity. It is now in its thirty-eighth year. The volumes already issued contain more than five thousand six hundred pages. By the exchange of the *Journal* with more than three hundred scientific journals and periodicals many thousands of books and pamphlets have been collected, all of which are arranged in the University Library.

THE NORTH CAROLINA HISTORICAL SOCIETY

JOSEPH GREGOIRE DEROULHAC HAMILTON, Ph.D., *Permanent Secretary.*

The North Carolina Historical Society was founded in 1833 by Governor David L. Swain. When Governor Swain became President of the University, the Society was moved from Raleigh to Chapel Hill. Under his leadership it became the center of historical work in the State and the medium of many notable contributions to the history of the State. On March 22, 1875, through the activity of Kemp Plummer Battle, LL.D., the Society was chartered by an act of the General Assembly. The purpose of the Society is to collect, classify, and publish material illustrative of the history of the State. The Society possesses a valuable collection of books, pamphlets, manuscripts, newspaper files, coins, and other objects of historic interest. The educational aim of the Society is to create a love for historical study and to give training in scientific methods of historical investigation.

THE NORTH CAROLINA CLUB

JONATHAN GREENE GULLICK, *President.*

CHARLES CRAWFORD POINDEXTER, *Vice-President.*

SAMUEL HUNTINGTON HOBBS, JR., A.M., *Secretary and Treasurer.*

EUGENE CUNNINGHAM BRANSON, A.M., Litt.D., *Chairman Steering Committee.*

ARTUS MONROE MOSER, *Chairman Publicity Committee.*

ALTON EMMETT BAUM, *Chairman Membership Committee.*

The North Carolina Club was organized September 25, 1914, in Gerrard Hall. Its purpose is to review, interpret, and discuss the economic, social, and civic problems of the

State. These problems are being explored, county by county, by the county clubs of the University student body. The scope and details of the volunteer work of the county clubs are set forth in *The University Extension Bulletin*, No. 9, under the title, *Home County Club Studies*. Every other Monday night throughout the college year the North Carolina Club meets for a discussion of statewide questions. The Club fills a column in the *University News Letter* every week. The final aim of the county clubs is a brief bulletin upon the economic and social problems of every county in the State. The studies of the North Carolina Club are given to the public in its annual *Year-Book*.

THE PHILOLOGICAL CLUB

NORMAN FOERSTER, A.M., *President*.

HOWARD RUSSELL HUSE, Ph.B., *Vice-President*.

ALMONTE C. HOWELL, A.M., *Secretary and Treasurer*.

The Philological Club meets on the first Tuesday evening of each month during the college year. Its membership consists of the faculty and advanced students in the language departments of the University. The object of the Club is to stimulate original investigation in language and literature and to afford an opportunity for the interchange of views on subjects relating to such work. At each meeting papers are read and discussed.

DER DEUTSCHE VEREIN

ERNST C. METZENTHIN, Ph.D., *Director*.

The Verein was established for the purpose of stimulating interest among the officers and students of the University in German life. Weekly meetings are held throughout the year, at which the German language only is employed. Subjects of general interest pertaining to German literature, history, social life, and politics are informally discussed. An effort is made to provide students of German with an opportunity to perfect their pronunciation and to improve their control of the spoken language. It is part of the purpose of the Verein to arrange from time to time for public lectures in German.

All officers and students of the University interested in the study of German are eligible to membership.

LE CERCLE FRANCAIS

VINTON HOYLE, *President*.

ROBERT WHITE LINKER, *Secretary and Treasurer*.

Le Cercle Français holds weekly meetings at which topics of general interest pertaining to French literature and French life, manners, and customs are discussed. The French language is employed exclusively. It is the aim of the club to stimulate interest in the French language, to provide its members with an opportunity to hear idiomatic French spoken, and to use the language with more facility. All officers and students of the University interested in the study of French are eligible to membership.

EL CENTRO HISPANO

J. V. McCALL, *President*.

W. T. SHUFORD, *Vice-President*.

S. A. STOUDEMIRE, *Secretary*.

E. P. MANGUM, *Treasurer*.

ALBERT SHAPIRO, Ph.D., *Adviser*.

El Centro Hispano meets on the second and fourth Mondays of each month during the college year. Its membership consists of the instructors in Spanish, members of the community who speak the language, and students of the University who have shown distinction in courses in Spanish. The object of the club is to stimulate interest in the language, literature and customs of Spain and Hispanic America, to provide its members with an opportunity to hear idiomatic Spanish spoken, and to use the language with more facility.

MUSIC CLUBS

The Music Clubs consist of the Glee Club, the Orchestra, the Band, and the Guitar and Mandolin Club. These organizations are representative of the musical talent of the University, and receive their direction from the Department of Music. They furnish music for numerous occasions on the

campus, and each year they make concert tours in different parts of North Carolina. Membership in these clubs is gained through competitive try-outs.

MUSICAL ACTIVITIES

A series of free Sunday afternoon concerts is provided by the department of music, the concerts coming on the first Sunday of each month during the school year. These are given by members of the department, by students and student organizations, and by visiting artists.

A series of artist recitals is provided each year by the department of music, some of the world's greatest musicians being brought in this way to the campus.

A community chorus gives programs twice each school year, and is open to members of the faculty and student body and citizens of Chapel Hill.

At least once each year the department of music produces a light opera with cast of principals and chorus taken from the student body and with accompaniment by the University Orchestra. Membership in the casts of these productions is open, through competitive try-outs, to the entire student body.

Masque and Wig, a student musico-dramatic organization, produces each year an original musical comedy with a caste made up entirely of men. The book and music for this production are written by students and selected in annual competitions each fall, cash prizes being offered. Membership in Masque and Wig is by election from the castes of the productions; the caste is open to the entire student body through competitive examination.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

University of North Carolina Branch

WILLIAM CURTIS MOORE, *President*.

RUDOLPH HOYT JACKSON, *Secretary*.

The aim of the Branch is to stimulate interest in modern problems in the various fields of electrical engineering, to provide a means for students to discuss in public various

questions of a technical nature and to give them an opportunity for practice in thinking on their feet. The Branch meets semi-monthly. The papers consist of original discussions and abstracts of papers presented before the regular Institute meetings. Membership in the Branch is open to all students who are interested in electrical engineering, and all enrolled members receive the regular monthly Proceedings of the Institute.

AMERICAN SOCIETY OF CIVIL ENGINEERS

The William Cain Student Chapter

O. E. MARTIN, *President*.

A. S. CHASE, *Vice-President*.

R. J. MORTON, *Treasurer*.

H. A. LAWRENCE, *Secretary*.

The purposes of the Chapter are to afford the Civil Engineering students practice in the preparation and presentation of engineering papers; to give a working knowledge of parliamentary law; to develop the ability to speak extemporaneously; and to provide a contact between students, faculty, and visiting engineers.

The Chapter meets on Thursday of each week, and six times during the year social meetings are held, to which are invited successful practising engineers.

The Chapter receives all the publications of the Society and its members are accorded the privilege of attending any of the Society meetings.

Membership is open to all students of the Civil Engineering Department.

THE CAROLINA PLAYMAKERS

FREDERICK HENRY KOCH, A.M., *Director*.

ALVIN SAWYER WHEELER, Ph.D., *Treasurer*.

GEORGE VERNON DENNY, *Business Manager*.

DOUGALD MACMILLAN, A.M., *Producing Director*.

The Carolina Playmakers is a dramatic organization. It is incorporated under the laws of the State of North Carolina as a non-stock corporation. The members of the corpo-

ration are President Chase, Professors Greenlaw, Koch, Henderson, Wheeler, McGehee, Graham, and Coker, Messrs. Woollen and Denny.

Its purpose, as set down in the Charter, is: "First, to promote and encourage dramatic art, especially by the production and publishing of plays; Second, to serve as an experimental theatre for the development of plays truly representative of the traditions and present-day life of the people; Third, to extend its influences in the establishment of a native theatre in other communities."

The *Carolina Folk-Plays* are written and produced in the University courses in Dramatic Composition, members of the community of Chapel Hill—students, faculty, and townspeople—assisting. Those who contribute to the writing or producing of the plays constitute the membership of the organization. Any student may participate in any of the various departments of the work.

Each year The Playmakers make two trips, of ten days each, arranged by the Bureau of Lectures and Entertainments of the University Extension Division, one to the western and one to the eastern part of the State.

YOUNG MEN'S CHRISTIAN ASSOCIATION

BOARD OF DIRECTORS

"Parson" W. D. MOSS, *Chairman*.

D. D. CARROLL, *Board Treasurer*.

H. W. CHASE.

L. J. PHIPPS.

H. W. ODUM.

C. C. POINDEXTER, *Ex-officio*.

A. H. PATTERSON.

G. H. LEONARD, *Ex-officio*.

F. F. BRADSHAW.

H. F. COMER, *Ex-officio*.

OFFICERS

HARRY F. COMER, *General Secretary*.

MISS WILLIE AMES, *Office Secretary*.

C. C. POINDEXTER, *President*.

ALAN M. MCGEE, *Vice-President*.

W. A. LILLYCROP, *Recording Secretary*.

G. H. LEONARD, *Treasurer*.

The Young Men's Christian Association is an organization of students which seeks by precept and example to encourage right and wholesome Christian living. In this spirit it endeavors to extend a helping and active influence to every sphere of campus activity, athletic, academic, social, and so on.

Not unaware of its essentially religious nature, it strives in every feasible way to make the religion of the campus very real and very genuine; and to uphold the Christian life as the ideal in conduct, thought, and temperament for every man. To those who are so inclined it offers unlimited opportunity for religious service. Through its support of rural Sunday-Schools, its Bible and Missions studies, its religious meetings, its Deputation Teams to High Schools, its Special Lectures and Institutes, its Evangelistic Campaign, and its personal associations it affords every man a medium of expression in service to the Christian cause.

For an additional number it offers opportunity for community and social service. Through its work for new students, the yearly handbook and directory, bureau of employment, exchange of lost and found articles, lyceum courses, socials, receptions, and similar activities, many students are enabled to give to the community that measure of useful service which would otherwise remain wholly unexpressed.

The Association is definitely entering upon an expansion period. The number of departments has increased from 16, in 1921-22, to 27 departments and committees at the opening of 1922-23. Miss Willie Ames, of Chapel Hill, has been employed as full-time Office Secretary, this enabling the General Secretary to mix more constantly with his committee chairmen and the student body in general. 175 different students are being used on various committees, and the work has extended itself very greatly into the life of the community. From the physical standpoint, all this expansion focuses upon the plan for a thoroughly modern building within the coming three years.

DEPARTMENT LEADERS

Bible Study—CARL K. MAHLER, J. V. MCCALL, and JIM KERR.

Blue Ridge and Conventions—MARION SAUNDERS, and J. M. FOUSHEE.

Boys' Work—H. D. FARRELL and PROF. H. D. MEYER.

Care of Building—C. L. FOUTS.

Chapel—H. F. COMER.

Church Relations—JOHN R. PURSER, JR., and JAMES BRADLEY.

Deputation Work—N. C. BAREFOOT and C. C. POINDEXTER.

Evangelism and Recruiting—H. F. COMER.

Finances—G. Y. RAGSDALE and G. H. LEONARD.

Freshman Friendship Council—ALAN MCGEE, JIM KERR, and ED SCHEIDT.

Freshman Letters—H. D. DULS.

Information Bureau—OFFICE SECRETARY.

Life-Work and Vocational Guidance—V. V. YOUNG.

Lost and Found Bureau—The "Y" Office.

Ministerial Band—R. E. BROWN.

Music Department—G. H. ROBINSON.

Negro and Inter-racial Work—V. V. YOUNG.

Personal Work and Morning Watch—W. H. COLTRANE.

Publications—J. R. PURSER and J. S. MCLEAN.

Publicity—H. D. DULS.

Rural Work—EDWIN LANIER and J. R. ALLSBROOK.

Self-Help Department—W. A. LILLYCROP and C. C. POINDEXTER.

Social Department—L. V. PHILLIPS and ALAN MCGEE.

Social Service Department—W. W. GWYNN.

Speakers Bureau—H. F. COMER.

Volunteer Band—ANDREW D. MILSTEAD.

Weekly Religious Meetings—A. F. RAPER.

THE GENERAL ALUMNI ASSOCIATION

WALTER MURPHY, '92, Salisbury, *President*.

CHARLES L. WEILL, '07, Greensboro, *1st Vice-President*.

ROBERT H. WRIGHT, '97, Greenville, *2nd Vice-President*.

DANIEL L. GRANT, '21, Chapel Hill, *Secretary*.

BOARD OF DIRECTORS

J. C. B. EHRLINGHAUS, '01, First District, Elizabeth City.

W. L. LONG, '09, Second District, Roanoke Rapids.

LESLIE WEIL, '95, Third District, Goldsboro.

O. J. COFFIN, '09, Fourth District, Raleigh.

BURTON CRAIG, '97, Fifth District, Winston-Salem.

KATHRINE ROBINSON, '21, Sixth District, Fayetteville.

ISAAC S. LONDON, '06, Seventh District, Rockingham.

MARY HENDERSON, '15, Eighth District, Salisbury.

ROBERT LASSITER, '98, Ninth District, Charlotte.

R. R. WILLIAMS, '02, Tenth District, Asheville.

SHEPARD BRYAN, '91, Out of State, Atlanta, Georgia.

EXECUTIVE COMMITTEE OF THE ALUMNI CLASS

SECRETARIES' BUREAU

W. S. BERNARD, '00, Chapel Hill.

H. M. WAGSTAFF, '99, Chapel Hill.

T. J. WILSON, JR., '94, Chapel Hill.

L. J. PHIPPS, '22, Chapel Hill.

DANIEL L. GRANT, '21, Alumni Secretary, Chapel Hill.

The General Alumni Association of the University of North Carolina is composed of graduates of the University, former students who pursued courses leading to regular degrees, special students, and students of the summer law school. These are designated as active members. Honorary membership is accorded trustees and ex-trustees of the University, members and ex-members of the faculty, and officers of the University. It has more than 11,000 living members.

The objects of the Association are to "promote the growth

and influence of the University; to cultivate the bond of sympathy and mutual helpfulness between the University and its alumni; to make helpful the relation between alumni and students in local communities; to unite the alumni in the advancement of educational pursuits; and to maintain University ideals." This is a worthy and high goal, and a field of infinite expanse lies open in which the sons of the University may labor in realizing their self-set standard.

The officers of the Association are a president, two vice-presidents, and a secretary. A Board of Directors of eleven members is appointed by the president of the association. One director is appointed from each congressional district within the State; and one to represent those alumni living beyond North Carolina. The president and two vice-presidents are elected on a direct ballot from those names presented the association by a special nominating committee. One vice-president comes from the Eastern, and one from the Western section of the State. The Alumni Secretary is appointed by the Board of Directors.

The Constitution of the Association was adopted at the Association's General Assembly in 1922, and is now in process of much revision. The Alumni group is to be divided into working units by two methods: a territorial division, which will mean the organizing of more than 125 local alumni associations: and the natural class division. As this work is in process during the current year it is not possible to supply an accurate list of the local associations, nor of all the permanent class officers.

A deliberative body known as the General Assembly of the Alumni meets on Alumni Day of each Commencement for the handling of alumni affairs. It is composed of delegates from the local associations. Each delegate has voting power according to the size of the group represented.

The Alumni Class Secretaries' Bureau was formed at a meeting of the Secretaries of 22 classes in a two-part conference in Chapel Hill on October 11th and 12th, 1922, for the purpose of seeing "that proper and uniform facts concerning every University alumnus and class are kept; that the re-

unions are organized in a way to secure the greatest attendance from the members, and an enjoyable and effective program; to stimulate the work of the secretaries by proper cooperation; to secure a greater unity of action and feeling in the various classes through regular informative communications, by letters, and through *The Alumni Review* and the regular publication of class histories, thereby fostering the work of the local and general associations." Its affairs are administered by an executive committee of five.

A proper coördination of the powers of the Alumni Class Secretaries' Bureau and the Board of Directors of the Association is now being worked out. The former directs the work that is being done through the medium of the class division of the entire group; and the latter that of the territorial division.

For information about the formation of local associations, the duties of class secretaries, and the general association address Daniel L. Grant, Alumni Secretary, Chapel Hill, N. C.

PART THREE

THE COLLEGE OF LIBERAL ARTS
THE SCHOOL OF APPLIED SCIENCE
THE SCHOOL OF ENGINEERING
THE SCHOOL OF EDUCATION
THE SCHOOL OF COMMERCE
THE SCHOOL OF PUBLIC WELFARE
THE GRADUATE SCHOOL
THE SCHOOL OF LAW
THE SCHOOL OF MEDICINE
THE SCHOOL OF PHARMACY
THE SUMMER SCHOOL
THE UNIVERSITY EXTENSION DIVISION

THE COLLEGE OF LIBERAL ARTS

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

JAMES FINCH ROYSTER, Ph.D., *Dean.*

THE ADMINISTRATIVE BOARD

GEORGE HOWE, Ph.D., *Professor of the Latin Language and Literature.*

JOSEPH GREGOIRE DEROULHAC HAMILTON, Ph.D., *Kenan Professor of History and Government.*

ARCHIBALD HENDERSON, Ph.D., D.C.L., LL.D., *Professor of Mathematics.*

WILLIAM FREDERICK PROUTY, Ph.D., *Professor of Stratigraphic Geology.*

EDGAR WALLACE KNIGHT, Ph.D., *Professor of Rural Education.*

LUCIUS POLK MCGEHEE, A.B., *Professor of Law.*

HOWARD RUSSELL HUSE, Ph.B., *Assistant Professor of Romance Languages.*

CORYDON PERRY SPRUILL, JR., A.B., B.Litt., *Assistant Professor of Economics.*

REQUIREMENTS FOR ADMISSION

See pages 63-65.

EXPENSES

See page 77.

COURSE LEADING TO THE DEGREE OF BACHELOR OF ARTS

The course leading to the degree of Bachelor of Arts is designed to provide a general, well-rounded, liberal education.

In order to be recommended for the degree a student must pass satisfactory examinations in thirty-six whole courses.

A whole course consists of five (six in the case of certain laboratory courses) class periods a week for one quarter. A half course consists of three class periods a week for one quarter. Two half courses are equivalent to one whole course. Each class period pre-supposes two hours of preparation or the equivalent in laboratory work.

In the first two years the student pursues a more or less definite curriculum in the following subjects:

English	three courses
Foreign Languages	three courses in each of 2 languages
History	two courses
Mathematics	two courses
Science	two courses

Beginning with the Junior year the work is on an elective basis, providing what is deemed a proper amount of concentration in study and, at the same time, a certain distribution of subjects.

Students who expect at some time to carry out investigation in any science or scientific profession, such as medicine or engineering, are earnestly recommended to enter upon their Senior year with a reading knowledge of German and French. Class work in these subjects should have included at least four courses in German and two in French.

Freshman Year

English 1	Select two	{	Greek 1-2 or
Mathematics 1-2			Greek 3-4**
History 1-2			Latin 1-2
			French 3-4
			German 3-4
			Spanish 3-4

By postponement of any one of these double courses until Sophomore year, a double course in Science (Botany 1, 2; Chemistry 1-2; Zoology 1, 2) may be taken in Freshman year.

Not more than three courses may be taken in any one term except by special permission of the Administrative Board.

Sophomore Year

Select one	{	English 3-4	Select two	Greek 3-4 or
		Botany 1, 2		Greek 5**
		Chemistry 1-2		Latin 3
		Physics 1, 2		French 5
		Zoology 1, 2		German 21*
		Botany 1 and Zoology 1		Spanish 5
			Elective, 3 Courses†	

* German 23 or 25 may be substituted.

** Greek 3-4 is to be taken if the equivalent of Greek 1-2 has been offered at entrance. Note that Greek through course 5 is required to complete the Sophomore requirement in this language.

† See list of Sophomore Electives below.

Sophomore Electives

Botany 1-2	Government 1-2
Chemistry 1-2	History 3-4, 7-8, 9-10, 11
Economics 1-2 15	Latin 3, 5, 6, 10
English 13-14-15, 16-17-18, 20, 37, 38, 51, 55, 59, 66	Mathematics 3, 4, 5
French 3-4, 5, 6	Physics 1, 2
Geology 1-2	Psychology 1-2, 10-11-12
German 3-4, 21, 22, 23, 25-26	Spanish 3-4, 5, 6
Greek 3-4, 5, 6, 7	Zoology 1, 2

If a course in Science has been taken in Freshman year, the Freshman course then postponed must be taken in place of the course in Science required of Sophomores.

Not more than three courses may be taken in any one term except by special permission of the Administrative Board. In case permission for extra work has been granted a mid-term report of "X" on any course will necessitate the dropping of that course.

SYSTEM OF ELECTIVES

For the purpose of providing for the required concentration and distribution of electives in the Junior and Senior year, the various departments of the College are grouped under three general divisions, as follows:

DIVISION I. *Language and Literature.*

- Department of Comparative Literature.
- Department of English.
- Department of German.
- Department of Greek.
- Department of Latin.
- Department of Romance Languages.

DIVISION II. *Philosophy, Political and Social Sciences.*

- Department of Economics.
- Department of Rural Social Science.
- Department of Education.
- Department of History and Government.
- Department of Philosophy.
- Department of Sociology.

DIVISION III. *Mathematics, Natural Sciences.*

Department of Botany.
Department of Chemistry.
Department of Geology.
Department of Mathematics.
Department of Physics.
Department of Psychology.
Department of Zoology.

Junior Year

Not later than May 15 of the Sophomore year each student shall hand in to the Registrar a list of electives for Junior year, specifying the department chosen for concentrated study and the particular courses in this and other departments. This list must have the written approval of the head of the chosen department before it will be accepted by the Registrar.

A Junior shall pursue elective studies amounting to nine courses, chosen according to the following regulations:

Each student is required to elect, in each quarter, either three whole courses or two whole courses and two half courses. A student will be permitted to take not more than three whole courses and one half course in any one quarter, and in no case will he be permitted to pursue more than four studies at one time, except by special permission of the Administrative Board.

One department must be selected for concentrated study from one of the three general divisions. Not fewer than three courses nor more than five courses may be elected in this department. The courses are to be decided upon only after consultation with the head of the department. It lies within the discretion of the head of the department whether the five courses shall be prescribed in his own department, or any part of them in allied departments. A Sophomore elective, completed the previous year, may be counted by the head of the department as one of the courses necessary for the minimum of three courses; but in that case an additional elective (chosen from any department) must be taken to complete the general requirement of nine courses.

The remaining courses (four to six) are free electives, subject only to the restriction that at least one course must be chosen from a department in each of the other general divisions. One of these two courses should be selected with a view to a continuance of the same subject in Senior year (see Senior requirements).

The remaining courses, if any, shall be free electives in any subject open to Juniors.

Senior Year

Not later than May 15 of the Junior year each student shall hand in to the Registrar a list of electives for Senior year, specifying the department for concentrated study and the particular courses in this and other departments. This list must have the written approval of the head of the chosen department before it will be accepted by the Registrar.

A Senior shall pursue elective studies amounting to nine courses, chosen according to the following regulations:

Each student is required to elect, in each quarter, either three whole courses or two whole courses and two half courses. A student will be permitted to take not more than three whole courses and one half course in any one quarter, and in no case will he be permitted to pursue more than four studies at one time, except by special permission of the Administrative Board.

A Senior shall continue in the department of concentrated study begun in Junior year. Not fewer than three courses nor more than five courses may be elected in this department. The courses are to be decided upon only after consultation with the head of the department. It lies within the discretion of the head of the department whether the five courses shall be prescribed in his own department, or any part of them in allied departments.

The remaining courses (four to six) are free electives, except that at least two courses must be chosen from one of the other general divisions and in a department in which a course was elected in Junior year.

DEGREES WITH DISTINCTION

Honor of two grades, *Honors* and *Highest Honors*, will be awarded at Commencement to those candidates for the degree of Bachelor of Arts who have done distinguished work in a group of related subjects. Every candidate for Honors must register before October 15 of his Junior year with the Committee on Degrees with Distinction. He shall file a statement, properly approved, of the courses which he proposes to elect, and these electives shall be such as to show a unified plan and to provide for a field of concentrated study involving, as a rule, two departments within the division in which his major work lies. In connection with the regular courses, candidates are expected to do, in term-time and in vacations, a considerable amount of additional reading, or such other supplementary work as may be prescribed by the department. In every case such additional work must be closely related to the general plan of study adopted by the candidate. Students will have the guidance and assistance of special instructors, and small groups will be formed for the discussion of the reading and of the courses. This tutorial assistance will be entirely independent of the conduct of the courses, the object being to stimulate interest in reading not required as a part of the regular class-work for its culture value rather than for direct preparation for examinations.

Besides the careful organization of the plan of study and the conferences, a thesis and a final oral examination are required. The thesis need not necessarily be a contribution to knowledge, but is designed to show the ability of the student to use his knowledge with intelligence and to interpret facts and his personal reaction upon the material studied in the courses or derived from the supplementary reading. The examination will test the candidate's knowledge of the whole field of concentrated study, and will also test his proficiency in a special topic within the general field. The aim of the entire plan of study is thus to secure, as far as possible, a conception of a field of learning as a unity; to prevent, through the various measures named above, undue emphasis on the separate courses as independent units; and to lay the

foundation for right method through concentrated study in some part of the field.

The administration of the Honors courses is vested in a Committee on Degrees with Distinction, which consists of three representatives from each of the three divisional groups into which the Faculty of the College of Liberal Arts is divided. At present Honors are offered in the Division of Language and Literature on the following terms:

Requirement for Honors in Language and Literature

1. A reading knowledge of one language besides English.
2. Six courses chosen from those open to Juniors, Seniors, and Graduates. Of these, four are to be in one department of Language and literature, the other two may be (*a*) in another literature, or (*b*) in history, provided the courses are closely correlated with work in the major subject. But other combinations may be made, provided they show a definite plan.
3. In every case the major and minor groups constituting the six courses must show a definite relationship: *e. g.*, the study of a period, such as Romanticism in France, Germany, and England, this study including history as well as literature; or the study of a type, such as tragedy, in at least two literatures; or the study of the influence of some writer, for example, Plato, Vergil, Dante, Shakespeare, Goethe, on some literature other than his own. Other means of securing correlation may also be approved.
4. The principle of correlation is further carried out through (*a*) the provision for lecture courses in comparative literature; (*b*) the fortnightly conferences at which books and reading in connection with the entire scheme of study are discussed; (*c*) the provision for an extensive course of reading, to be done in residence or during vacations, such reading to be ordinarily independent of prescriptions for courses and designed to give a thorough grounding in the field of learning elected for the major subject; (*d*) the special seminars, at least one each year, through which provision is made for the intensive study of some subject during a limited period under the guidance of a scholar from the faculty of some other university.

5. Acquaintance with the following subjects is to be gained within or outside courses regularly elected: (*a*) the history of the literature chosen for the major subject, including the principal masterpieces illustrating its development; (*b*) some acquaintance with the political and social history of the nation whose literature is so elected; (*c*) some acquaintance with the history and philology of the language. The extent of the candidate's knowledge of these topics, as well as of the field or topic chosen for intensive study, will be tested by the examination to be held near the end of the Senior year.

6. An essay of some length is to be written upon some topic belonging to the field chosen for intensive study. This essay must show (*a*) investigation and mastery of facts; (*b*) power of interpretation; (*c*) excellence in composition and style.

7. In estimating the value of the candidate's work due regard will be paid to the grades attained by him in his regular college courses, but the matter of grades is distinctly subsidiary to other considerations, such as the extent and quality of his reading, the maturity of his thought, and his ability to use his knowledge effectively.

THE SCHOOL OF APPLIED SCIENCE

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

ANDREW HENRY PATTERSON, A.M., *Dean.*

THE ADMINISTRATIVE BOARD

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WILLIAM MORTON DEY, Ph.D., *Professor of the Romance Languages and Literatures.*

ISAAC HALL MANNING, M.D., *Professor of Physiology.*

CLARENCE ADDISON HIBBARD, M.A., *Assistant Professor of English.*

REQUIREMENTS FOR ADMISSION

See pages 63-66.

EXPENSES

See page 77.

COURSES LEADING TO THE DEGREE OF BACHELOR OF SCIENCE

In order to be recommended for the degree of Bachelor of Science, the student must have passed satisfactory examinations in all the studies required in one of the following courses outlined in this department, I, IV, and V. Each course combines instruction in certain sciences and their application to the arts, with certain other general studies deemed essential to a liberal education. These courses are designed to furnish the fundamental instruction and to prepare students to pursue the technical professions to which they lead. The courses leading to the degree are three in number.

I. Bachelor of Science in Chemistry.

IV. Bachelor of Science in Medicine.

V. Bachelor of Science in Geology.

I. BACHELOR OF SCIENCE IN CHEMISTRY

FRESHMAN YEAR

Fall Quarter:

Chemistry 1E, General Descriptive Chemistry.
Mathematics 1E, Algebra.
German 3, Composition and Literature.
Engineering 1a, Mechanical Drawing. (Half Course.)

Winter Quarter:

Chemistry 2E, General Descriptive Chemistry.
Mathematics 2E, Trigonometry.
German 4, Composition and Literature.
Engineering 1b, Mechanical Drawing. (Half Course.)

Spring Quarter:

Chemistry 3I, Qualitative Analysis.
Mathematics 3E, Analytical Geometry.
English 10, Composition.

SOPHOMORE YEAR

Fall Quarter:

Chemistry 4I, Quantitative Analysis.
Mathematics 4E, Calculus.
English 11, Technical Composition.

Winter Quarter:

Chemistry 42, Quantitative Analysis.
Chemistry 6I, Organic Chemistry.
English 12, English and American Literature.
Physics 1, Mechanics, Sound, and Heat.

Spring Quarter:

Chemistry 62, Organic Chemistry.
Chemistry 8, Chemical Equations.
Chemistry 47, Technical Analysis.
Physics 2, Light, Electricity, and Magnetism.

JUNIOR YEAR

Fall Quarter:

Chemistry 45, Quantitative Analysis.
Engineering 50A, Electrical Measurements.
Economics 1, General Course.

Winter Quarter:

Chemistry 81, Physical Chemistry.
Chemistry 46, Quantitative Analysis.
Engineering 50B, Electrical Measurements.
Economics 2, General Course.

Spring Quarter:

Chemistry 82, Physical Chemistry.
Chemistry 63, Organic Chemistry.
Engineering 50C, Electrical Measurements.
Economics, Elective.

Fall Quarter:

SENIOR YEAR

Chemistry 21, Research in Chemistry.
Chemistry 83, Physical Chemistry.
Chemistry 11, Industrial Chemistry.
Geology 3, Mineralogy.

Winter Quarter:

Chemistry 22, Research in Chemistry.
Chemistry 64, Organic Chemistry.
Chemistry 12, Industrial Chemistry.
Geology 4, Mineralogy.

Spring Quarter:

Chemistry 23, Research in Chemistry.
Chemistry 84, Physical Chemistry.
Chemistry 13, Chemistry of Foods.
Chemistry 18, History of Chemistry.

IV. BACHELOR OF SCIENCE IN MEDICINE

Fall Quarter:

FRESHMAN YEAR

Chemistry 1.
Mathematics 1.
French 3, or French 1.*

Winter Quarter:

Chemistry 2.
Mathematics 2.
French 4, or French 2.*
English 1.

* If French is not offered as an entrance credit, the elementary courses must be taken up in the University without credit. The same principle applies to German. Note that this course requires French through course 4 and German through course 4.

Spring Quarter:

Botany 1.
German 3, or German 1.*
French 3, or elective.

SOPHOMORE YEAR

Fall Quarter:

Physics 1.
Chemistry 35.
French 4, or elective.

Winter Quarter:

English 3.
Zoology 1.
German 4, or German 2.*

Spring Quarter:

Chemistry 61.
English 4.
German 3, or elective.
Physics 2.

JUNIOR YEAR

Fall Quarter:

Chemistry 62.
Psychology 1.
German 4, or elective.
Zoology 3.

Winter Quarter:

Psychology 2.
Elective, 2 courses.†

Spring Quarter:

Elective, 4 courses†

* If French is not offered as an entrance credit, the elementary courses must be taken up in the University without credit. The same principle applies to German. Note that this course requires French through course 4 and German through course 4.

† Note that six elective full courses are required in addition to the courses prescribed above.

V. BACHELOR OF SCIENCE IN GEOLOGY

FRESHMAN YEAR

Fall Quarter:

Geology 1, Introduction to Geology.
Mathematics 1, Unified Course.
Chemistry 1, General Course.
Engineering 1a, Mechanical Drawing.

Winter Quarter:

Geology 2, Historical Geology.
Mathematics 2, Unified Course.
Chemistry 2, General Course.
Engineering 1b, Mechanical Drawing.

Spring Quarter:

English 1, Composition.
Botany 1, General Botany.
Chemistry 31, Qualitative Analysis.
German 3, or French 3, or Spanish 3.

SOPHOMORE YEAR

Fall Quarter:

Geology 3, Mineralogy.
Engineering 12a, Surveying.
German 4, or French 4, or Spanish 4.
Physics 1, General Course.

Winter Quarter:

Geology 4, Mineralogy.
Physics 2, General Course.
Engineering 12b, Surveying.
Geology 8, Structural Geology.

Spring Quarter:

Engineering 16c, Plane Table.
Geology 13, Petrology.
Engineering 12c, Surveying.
Geology 9, Field Geology and Stratigraphy.

JUNIOR YEAR

Fall Quarter:

Geology 11, Non-metallic Minerals.
English 11a, Technical Composition.
Engineering 6a, Materials of Engineering.
Elective, one course.

Winter Quarter:

Geology 12, Ore Deposits.
Geology 23, Soil Geology.
English 11b, Technical Composition.
Engineering 6b, Materials of Engineering.
Elective, One Course.

Spring Quarter:

Geology 10, Oil Geology, or Geology 24, Soil Geology.
Geology 51, Advanced Field Geology.
English 11c, Technical Composition.
Engineering 6c, Materials of Engineering.

SENIOR YEAR

Fall Quarter:

Chemistry 11, Industrial Chemistry.
Geology 21, Industrial Geography.
Geology 15, Paleontology.

Winter Quarter:

Chemistry 12, Industrial Chemistry.
Geology 22, Commercial Geography.
Economics 1, or elective.

Spring Quarter:

Geology 25, Physiography.
Geology 52, Advanced Field Geology.
Economics 2, or elective.

PREMEDICAL COURSE

FRESHMAN YEAR

Fall Quarter:

Chemistry 1.
French 1 or German 1.*
Mathematics 1.

Winter Quarter:

Chemistry 2.
French 2 or German 2.*
English 1.
Mathematics 2.

Spring Quarter:

Chemistry 35.
English 2.
Botany 1.

SOPHOMORE YEAR

Fall Quarter:

English 3.
Physics 1.
Psychology 1.
French 3 or German 3.

Winter Quarter:

Zoology 1.
Physics 2.
Psychology 2.

Spring Quarter:

Chemistry 61.
Zoology 2.
French 4 or German 4.

* When a student enters with 2 units in French or German, he should take French 3-4 or German 3-4 in Freshman year. Note that this course requires French or German through course 4.

THE SCHOOL OF ENGINEERING

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

GUSTAVE MAURICE BRAUNE, C.E., *Dean.*

THE ADMINISTRATIVE BOARD

ANDREW HENRY PATTERSON, A.M., *Professor of Physics.*

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CLARENCE ADDISON HIBBARD, M.A., *Assistant Professor of English.*

REQUIREMENTS FOR ADMISSION

See pages 63-66.

EXPENSES

See page 77.

HISTORICAL SKETCH AND DESCRIPTION OF COURSES

Courses in engineering of professional grade have been given for a number of years at the University of North Carolina. Up to June, 1922, the courses in engineering were grouped in the School of Applied Science; but owing to a rapid development in engineering at the University of North Carolina, and due to the great need of well trained professional engineers, especially in the State of North Carolina, the Board of Trustees has recently separated the Department of Engineering from the School of Applied Science and authorized the formation of a distinct school of engineering. In this school, at present, are included the Departments of Civil

and Electrical Engineering, and will also include any other new departments in engineering that may be established. With the formation of the Engineering School ample opportunities will be given to the Engineering Departments to expand along broad and cultural lines.

The instruction offered in the Engineering School consists of four year courses leading to the degrees of Bachelor of Science in Civil and Electrical Engineering.

The degree of Master of Science in Engineering will be conferred on students who have satisfactorily completed approved graduate work extending over not less than one year. The course of studies leading to the Master's degree will be found under the Graduate School Section, page 193.

The engineering courses have been developed along broad and cultural lines and the importance of cultural training as a part of a thorough technical education has been constantly kept in mind. The importance of English in the curriculum has been emphasized and the courses are arranged so that students will receive instruction in English throughout the four-year period. Much attention is also given to training the young students in public speaking. This is an acquired art, and a very necessary adjunct of an engineering education. Engineers must necessarily be versed in business affairs, and to meet this condition students will devote considerable time to Economics, Business Administration and Management. During the first three years, the contents of the curriculum are practically the same for all engineering students. Fundamentals in Mathematics, Mechanics, and other sciences are contained in these first three years while the application of these fundamentals are illustrated throughout the course by the solution of a number of practical problems in engineering.

The intimate contact of engineering students with the academic students and the participation of the former in all University activities is regarded as a valuable part of their general training, the making of a broad, cultural, all-around manhood.

CO-OPERATIVE ENGINEERING EDUCATION

For the past ten years or more a great amount of time and thought has been devoted to engineering by engineering teachers and the profession at large, with the idea in mind of adopting some method in engineering education that would develop the observation and initiative of the students and bring them in touch with outside things during their theoretical training. Criticism has often been directed against young engineering graduates by practising engineers that they did not have any grasp or conception of practical things after four or five years of theoretical training.

In order to meet this criticism, the University of Cincinnati installed in the fall of 1906 a method of engineering education which is called coöperative education. Under this plan the students spend half of their time at the University receiving their theoretical training, and the other half is spent with engineering industrial firms, thus getting some practical training during their collegiate period. This system of education has proven quite successful and has been adopted by a number of prominent institutions, among which are Harvard, Massachusetts Institute of Technology, and New York University. The method of coöperation has been modified by several of the institutions that have adopted this system; for example the Engineering School of Harvard University has arranged a plan whereby the students of the junior class only coöperate with the outside industries. This modified plan permits the students to get that touch with outside practice, but at the same time does not destroy the social and cultural contact which the students derive from full time association on the University campus during the Freshman, Sophomore and Senior years.

Realizing that the coöperative system of training young engineers is a distinct step forward, the Engineering Departments of the University of North Carolina have adopted the Harvard plan which went into effect September, 1922.

Under this plan the students of the junior class are divided into two groups to be designated as Sections I and II. Each group spends half of their time at the University and the other half in actual engineering work. Each student has

an alternate so that when a student of Section I is at school his alternate in Section II is on the job. At the end of four weeks the student from Section II goes to school while his alternate in Section I takes his place on the job. This alternation continues throughout the junior year up to the latter part of September, when both sections attend the University full time during their senior year.

In order to compensate for the time that the students are away from school during their junior year, the sophomores are given a summer course lasting eight weeks, so that under the new coöperative plan the students receive the same amount of school work as under the regular four-year plan. The students receive pay for their services during the time that they are on their outside work, thus enabling them partially to defray their expenses during their junior year.

II. S. B. IN ELECTRICAL ENGINEERING

FRESHMAN YEAR

		Class	Laboratory	Preparation	Total
Mathematics 1-2-3E....	Algebra, Trigonometry, Analytics	3	3	6	12
Chemistry 1-2E.....	General Descriptive Chemistry	4fw	4fw	4fw	12fw
English 9abc.....	Conference Course			2	2
History 2E.....	Foundations of Modern Civilization	5s		5s	10s
Engineering 1abc.....	Mechanical Drawing and Descriptive Geometry.....		6		6
Engineering 3abc.....	Elementary Mechanics.....	3		5	8
Engineering 7c.....	Engineering Inspection-Trips		6s		6s
Engineering 61abc....	Introduction to Electrical Engineering	2	2	3	7

SOPHOMORE YEAR

		Class	Laboratory	Preparation	Total
Mathematics 4-5-6E....	Calculus	3	3	6	12
Physics 1-2E.....	General Physics.....	3fw	4fw	5fw	12fw
English 10abc.....	Conference Course.....			2	2
English 16-17-18E....	Public Discussion and Debate	3		3	6
Engineering 4abc.....	Mechanics	2		4	6
Engineering 6abc.....	Materials of Engineering.....	2	3	3	8
Engineering 22ac.....	Field Work in Surveying.....		3fs		3fs
Engineering 32bc.....	Hydraulics	3ws	3ws	3ws	9ws
Engineering 62abc....	Elements of Electrical Engineering	2	2	3	7

SOPHOMORE SUMMER TERM—EIGHT WEEKS

		Class	Laboratory	Preparation	Total
Engineering 2s.....	Machine Drawing.....	.....	12	.....	12
Engineering 62s.....	Electrical Engineering.....	.....	18	.....	18

CO-OPERATIVE JUNIOR YEAR

		Class	Laboratory	Preparation	Total
English 11.....	Literature and Technical Composition.....	4	.....	6	10
Economics 1-2-3E.....	General Economics.....	4	.....	8	12
Mathematics 56-57-58	Graphical Analysis.....	.....	2	.....	2
Engineering 5.....	Applied Mechanics.....	3	3	3	9
Engineering 63.....	Electrical Machinery.....	3	3	6	12
Engineering 93.....	Heat Power Engineering.....	3	3	6	12

SENIOR YEAR

		Class	Laboratory	Preparation	Total
English 12abc.....	Conference Course.....	.....	.....	2	2
Business Administration 1-2-3E	Industrial Organization and Management.....	3	.....	6	9
Engineering 20c.....	Elements of Structures.....	3s	3s	3s	9s
Engineering 64abc.....	Alternating Current Machines	4	8	8	20
Engineering 74a.....	Electric Circuits.....	3f	.....	6f	9f
Engineering 74b.....	Hydro-Electric Power and Transmission	3w	.....	6w	9w
Engineering 74c.....	Electrical Equipment Projects	3s	.....	6s	9s
Engineering 84abc.....	Dynamo Design.....	.....	6	4	10

III. S. B. IN CIVIL ENGINEERING

FRESHMAN YEAR

		*Class	Laboratory	Preparation	Total
Mathematics 1-2-3E..	Algebra, Trigonometry, Analytics	3	3	6	12
Chemistry 1-2E.....	General Descriptive Chemistry	4fw	4fw	4fw	12fw
English 9abc.....	Conference Course.....	.....	.....	2	2
History 2E.....	Foundations of Modern Civilization	5s	.....	5s	10s
Engineering 1abc.....	Mechanical Drawing and Descriptive Geometry.....	.....	6	.....	6
Engineering 3abc.....	Elementary Mechanics.....	3	.....	5	8
Engineering 7c.....	Engineering Inspection-Trips .....	.....	6s	.....	6s
Engineering 11abc....	Cement Laboratory.....	.....	3	3	6

* The figures in the table are clock hours. The letters F, W, and S indicate Fall, Winter, and Spring quarters.

SOPHOMORE YEAR

		Class	Laboratory	Preparation	Total
Mathematics 4-5-6E.....	Calculus	3	3	6	12
Physics 1-2-3E.....	General Physics.....	3	4	5	12
English 10abc.....	Conference Course.....			2	2
English 16-17-18E.....	Public Discussion and Debate	3		3	6
Engineering 4abc.....	Mechanics	2		4	6
Engineering 6abc.....	Materials of Engineering.....	2	3	3	8
Engineering 22ac.....	Field Work in Surveying.....		3fs		3fs
Engineering 32bc.....	Hydraulics	3ws	3ws	3ws	9ws

SOPHOMORE SUMMER TERM—EIGHT WEEKS IN CAMP

		Class	Laboratory	Preparation	Total
Engineering 2s.....	Engineering drawing.....		6		6
Engineering 23s.....	Railway and Highway Surveying	5	35		40

CO-OPERATIVE JUNIOR YEAR

		Class	Laboratory	Preparation	Total
English 11.....	Literature and technical composition	4		6	10
Economics 1-2-3E.....	General Economics.....	4		8	12
Mathematics 56-57-58	Graphical Analysis.....		2		2
*Geology 31.....	Mineralogy.....	3		3	6
Engineering 5.....	Applied Mechanics.....	3	3	3	9
Engineering 60.....	Elements of Electrical Engineering	3	3	6	12
Engineering 90.....	Steam Machinery.....	2	3	2	7

* Geology 31 is given in the first three coöperative periods; all other courses are continuous throughout the coöperative year.

SENIOR YEAR

		Class	Laboratory	Preparation	Total
English 12abc.....	Conference Course			2	2
Business	Industrial Organization and Management.....	3		6	9
Administration 1-2-3E	Engineering Geology.....	3		6	9
Geology 18-19-20.....	Structures.....	3		2	5
Engineering 14abc.....	Reinforced Concrete.....	2		4	6
Engineering 24abc.....	Railway and Highway Engineering	3		3	6
Engineering 44abc.....					
Engineering 15-25- 35-45abc	Engineering Design.....		15		15

DESCRIPTION OF COURSES

1abc. MECHANICAL DRAWING AND DESCRIPTIVE GEOMETRY.

MR. SMITH.

*Six hours a week.**Fall, Winter, and Spring Quarters.*

Lettering and use of drawing instruments. Descriptive Geometry, covering fundamental problems of the point, line, and plane and their application to problems of the intersection and development of surfaces. Problems in isometric and perspective projections.

2s. ENGINEERING DRAWING.

PROFESSORS LEAR AND JANDA.

Prerequisite, Engineer-
ing 1abc.

*Six hours a week.**Summer term.*

Descriptive geometry and its application to engineering problems. Graphical determination of stresses and detail drawing of simple structures. Empirical designing of elementary machines.

3abc. ELEMENTARY MECHANICS.

PROFESSORS BRAUNE, HICK-

ERSON, AND JANDA.

Three hours a week.
Fall, Winter, and Spring Quarters.

The basic principles of statics and an elementary course in strength of materials, covering conditions of equilibrium, force and funicular polygons, center of gravity, friction, beams and jointed structures. This course correlates with first year Mathematics and Drawing.

4abc. MECHANICS.

PROFESSOR HICKERSON.

Two hours a week.

Prerequisites, Engineering
3abc and Mathematics

Fall, Winter, and Spring Quarters.

1-2-3E.

An elementary course in statics, kinematics, and kinetics. This course correlates with Sophomore Mathematics.

5abc. APPLIED MECHANICS.

PROFESSOR HICKERSON.

Four hours a week.

Prerequisites, Engineering
3abc and Mathematics,

Fall, Winter, and Spring Quarters.

4-5-6E.

A course in mechanics comprising statics, kinematics, and kinetics. The fundamental principles governing the strength and stiffness of beams, columns, truss members, shafting, and various kinds of riveted work.

6abc. MATERIALS OF ENGINEERING.

PROFESSOR JANDA.

*Four hours a week.**Fall, Winter, and Spring Quarters.**Laboratory fee \$2.00 a quarter.*

Constitution, physical properties, and tests of the important materials used in engineering construction, such as wood, cement, stone, iron, steel, etc., metallurgy of iron and steel and the more important alloys.

7c. INSPECTION TRIPS.

PROFESSOR JANDA, Chair-
man; and Members of
the Engineering Staff.

*Six hours a week.**Spring Quarter.*

The freshmen students are given an opportunity to become familiar with various types of engineering works by weekly inspection trips during the Spring term. One afternoon a week is scheduled for inspection trips under the supervision of an engineering instructor, and a second afternoon is devoted to writing a report of the trip under the supervision of the English instructor.

11abc. CEMENT LABORATORY.

PROFESSOR JANDA.

*Three hours a week.**Fall, Winter, and Spring Quarters.**Laboratory fee \$2.00 for Winter
and Spring Quarters.*

Laboratory tests of cement and concrete and analyses of concrete materials.

14abc. STRUCTURES.

PROFESSOR BRAUNE.

*Three hours a week.**Prerequisite, Engineering. Fall, Winter, and Spring Quarters.*

5abs.

Graphical and analytical determination of stresses occurring in engineering structures, such as roofs, bridges, retaining walls, etc. The design of simple structures in steel and timber.

16c. PLANE TABLE SURVEYING AND MAPPING.

PROFESSOR SAVILLE.

*Four hours a week.**Spring Quarter.**Laboratory fee, \$2.00.*

Preparation and interpretation of topographical maps. Lectures and field work.

20c. ELEMENTS OF STRUCTURAL ENGINEERING.

PROFESSOR BRAUNE.

*Six hours a week.**Prerequisite, Engineer-**ing 5abc.*

A unified course in which is given the fundamentals of design in steel, reinforced concrete, and timber. This course is arranged for electrical engineering students.

22ac. FIELD WORK IN SURVEYING.

PROFESSOR JANDA.

*Three hours a week.*Prerequisite, Mathematics *Fall and Spring Quarter.*

1-2-3E.

Laboratory fee \$2.00 a Quarter.

Practise in the use and adjustments of tape, level, transit, plane table, etc. The making and reading of maps; Meridian and latitude determination.

23s. RAILWAY AND HIGHWAY SURVEYING.—SUMMER ENGINEERING CAMP.

PROFESSOR JANDA.

*Forty hours a week.*Prerequisites, Engineering *Summer term.*

22a.

Laboratory fee \$10.00.

Instruction in Plane, Railway, and Highway Surveying will be given during eight weeks of the summer term following the Sophomore year. The course includes the following subjects: I. Chaining; differential, profile, and cross section levelling; plane-table, transit, and stadia topographic surveys; solar and stellar observations for the determination of meridian and latitude; triangulation including base line measurement; measurement of stream discharge; hydrographic surveying.

II. Simple, compound, reversed, spiral, and vertical curves; frogs and turnouts; reconnaissance survey; preliminary survey; paper location; final location; mass diagram and earthwork computation; slope-staking; estimate of quantities and cost.

24abc. REINFORCED CONCRETE.

PROFESSOR HICKERSON.

*Two hours a week.*Prerequisite, Engineering *Fall, Winter, and Spring Quarters*

5abc.

The development of the principles involved in the design of slabs, beams, girders, columns, and simple structures.

30c. WATER POWER AND DRAINAGE ENGINEERING.

PROFESSOR SAVILLE.

*Six hours a week.*Prerequisite, Engineering *Spring Quarter.*

32bc.

Preliminary studies of rainfall, run-off, and storage; characteristics of reaction and impulse wheels; dam designs; general drainage problems.

32bc. HYDRAULICS.

PROFESSOR SAVILLE.

*Six hours a week.*Prerequisite, Mathematics *Fall and Winter Quarters.*

4-5-6E.

Laboratory fee \$2.00 a Quarter.

The principles of flow of water through orifices, weirs, tubes, nozzles, pipes, and open channels as applied to measurement of water to hydraulic engineering. The fundamental principles of impulse wheels, reaction turbines, and centrifugal pumps.

34abc. HYDRAULIC AND SANITARY ENGINEERING.

PROFESSOR SAVILLE.

*Three hours a week.*Prerequisite, Engineering 32bc. *Fall, Winter, and Spring Quarters.*

The design, construction and operation of water supply and sewerage systems as applied to municipalities and rural communities.

44abc. RAILWAY AND HIGHWAY ENGINEERING.

PROFESSOR JANDA.

*Three hours a week.**Fall, Winter, and Spring Quarters.*

A detail study of highway locations, foundations, and drainage, width and kind of roads; characteristics of various road materials; study of railway track appurtenances; highway and railway administration, legislation, and organization.

15abc. ENGINEERING DESIGN.

PROFESSORS BRAUNE AND

Six hours a week.

HICKERSON.

*Fall and Spring Quarters.**Three hours a week.**Winter Quarter.*

Application of principles in course 14 to specific problems in the designs of roofs, bridges, retaining walls, water towers, and other structures.

25abc. ENGINEERING DESIGN.

PROFESSORS BRAUNE AND

Three hours a week.

HICKERSON.

Fall, Winter, and Spring Quarters.

Application of principles in course 24 to specific problems in the design of reinforced concrete and masonry structures.

35abc. ENGINEERING DESIGN.

PROFESSOR SAVILLE.

*Three hours a week.**Fall and Spring Quarters.**Six hours a week.**Winter Quarter.**Laboratory fee \$2.00 a quarter.*

Application of principles in course 34 to specific problems in the general layout of simple projects for water works and sewerage. Routine tests of water and sewerage.

45abc. ENGINEERING DESIGN.

PROFESSOR JANDA.

*Three hours a week.**Fall, Winter, and Spring Quarters.*

Application of principles in course 44 to specific problems in the physical testing of road materials.

50abc. ELECTRICAL MEASUREMENTS.

PROFESSOR LEAR.

Five hours a week.

Prerequisites, Physics

Fall, Winter, and Spring Quarters.

1-2-3E. and Mathe-

Laboratory fee, \$5.00 a Quarter.

matics 4E.

A study of the fundamental principles of electric circuits and apparatus, designed especially for students in Chemistry. The laboratory work will include the methods of electrical measurements used in the chemical laboratory, together with the applications of electrical energy for heating and control.

60abcs. ELEMENTS OF ELECTRICAL ENGINEERING.

PROFESSOR HOEFER AND *Six hours a week.*
MR. GRAY. *Fall, Winter, Spring, and Summer*
Prerequisite, Mathematics *Quarters.*
4-5-6E.

A study of the generation, transmission, control, and utilization of electrical energy, designed especially to meet the needs of students in Civil Engineering.

Textbook: Dawes' *Electrical Engineering.*

61abc. INTRODUCTION TO ELECTRICAL ENGINEERING.

PROFESSOR LEAR AND *Four hours a week.*
MR. KOONTZ. *Fall, Winter, and Spring Quarters.*
Laboratory fee, \$6.00 a Quarter.

The aim of this course is to give the student an acquaintance with the materials, apparatus, and terminology used in electrical engineering. The fundamental principles of current, voltage, resistance, energy, and power are studied by means of practical problems with commercial apparatus. Practical work in wiring, together with a study of the National Electric code will be given in the Spring Quarter.

62abcs. ELEMENTS OF ELECTRICAL ENGINEERING.

PROFESSOR HOEFER AND
MR. GRAY. *Four hours a week.*
Prerequisites, Engineering *Fall, Winter, Spring, and Summer*
61abc and Mathematics *Quarters.*
1-2-3E. *Laboratory fee, \$4.00 a Quarter.*

A study of the fundamentals of direct-current generators and motors, followed by the elements of alternating-current circuits in the Spring quarter. The laboratory work consists of studies of the operating characteristics of direct current machines; direct-current measurements; the effect of resistance, inductance, capacity, and frequency in alternating-current circuits; projects in illumination, telephony, and storage batteries. Textbook: Timbie and Bush.

63abcs. ELECTRICAL MACHINERY.

PROFESSORS LEAR AND *Six hours a week.*
HOEFER. *Laboratory fee, \$5.00 a Quarter.*
Prerequisites, Engineering *Fall, Winter, Spring, and Summer*
62abc Mathematics 4-5-6E. *Quarters.*

In the Fall and Winter quarters, the work will consist of a review of electric and magnetic circuits, and a thorough study of direct-current machines. The elements of alternating-current circuits and machines with special attention to the alternator, transformer, and induction motor will be studied in the Spring quarter. Textbooks: Langdorf, and Lawrence I.

64abc. ALTERNATING CURRENT MACHINERY.

PROFESSOR DAGGETT AND *Twelve hours a week.*

MR. GRAY. *Fall, Winter, and Spring Quarters.*

Prerequisites, Eng'g. 63abc *Laboratory fee, \$7.00 a Quarter.*

and Mathematics 4-5-6E,
or equivalent.

An analytical study of e. m. f. and current wave shapes; effect of iron cores; the transformer; the alternator; the synchronous motor, induction motor, repulsion motor; the synchronous converter. The laboratory work will follow closely the class room study.

Textbooks: Lawrence, I and II.

74a. ELECTRIC CIRCUITS.

PROFESSOR DAGGETT. *Three hours a week.*

Prerequisites, Eng'g. 63abc *Fall Quarter.*

and Mathematics 4-5-6E
or equivalent.

A mathematical study of the fundamental phenomena in the electric, magnetic, dielectric, and thermal circuits, emphasizing the circuital relations common to all. Considerable attention will be devoted to the application of complex quantities to alternating current circuits.

74b. HYDRO-ELECTRIC POWER AND TRANSMISSION.

PROFESSOR DAGGETT. *Three hours a week.*

Prerequisites, Eng'g. 32bc *Winter Quarter.*
and 74a.

A survey of the problems involved in hydro-electric power developments and the transmission of electric power over long distances. Application of hyperbolic functions to the calculation of long lines. Study of super-power systems.

74c. ELECTRICAL EQUIPMENT PROJECTS.

PROFESSOR DAGGETT. *Three hours a week.*

Prerequisites, Eng'g. 63abc *Spring Quarter.*
or equivalent.

Solution of problems involving the application of electrical energy to various industries. The problems will be varied to suit the individual needs of the members of the class. Especial attention will be given to problems of importance to North Carolina industries.

84abc. DYNAMO DESIGN.

PROFESSOR LEAR.

*Six hours a week.*Corequisite, Eng'g. 64abc. *Fall, Winter, and Spring Quarters.*

Electrical, mechanical, and economic questions involved in the design of electrical machinery; the effect of the design constants on the proportions and operation of machines. Each student will be required to make complete calculations for a d. c. generator or motor, a transformer, and an alternator.

Reference Book: Gray.

90abc. STEAM MACHINERY.

PROFESSOR HOEFER.

*Two hours a week.*Prerequisites, Mathematics *Fall, Winter, Spring, and Summer*
4-5-6E and Physics 1-2-3E. *Quarters.*

A course in the fundamentals of steam-power and power-plant machinery, designed especially for the needs of students in Civil Engineering.

Textbook: Allen and Bursley.

93abc. HEAT POWER ENGINEERING.

PROFESSOR HOEFER.

*Six hours a week.*Prerequisite, Mathematics *Fall, Winter, Spring, and Summer*
4-5-6E. *Quarters.**Laboratory fee, \$5.00 a quarter.*

A study of the laws governing the transformation of heat into mechanical energy; properties of gases and vapors; gas and vapor cycles; power, efficiency, and performance of heat engines; study of steam engines, steam turbines, and gas engines; fuels and combustion; boilers and accessories; gas producers, feed water heaters and purifiers, condensers, compressed air, and refrigeration.

Textbook: Hirschfeld and Barnard.

COURSES FOR GRADUATE STUDENTS

100abc. HYDRAULIC AND SANITARY ENGINEERING.

PROFESSOR SAVILLE.

The study and investigation of special problems relating to hydraulics, water power, and sanitary engineering.

103abc. STRUCTURAL ENGINEERING.

PROFESSORS BRAUNE AND HICKERSON.

Computation of stresses of statically indeterminate structures. Lectures and design problems in the drafting room.

106abc. RESEARCH IN HIGHWAY ENGINEERING.

PROFESSOR JANDA.

Investigation of materials in Highway Engineering through co-operation with the Highway Commission. The Research Fellow will spend part time at the University and part time in the field with the Highway Commission. Fellowships will be awarded to worthy graduate students who can present the proper qualifications.

107abc. DETAILED LABORATORY STUDY OF HIGHWAY MATERIALS.

PROFESSOR JANDA.

The students will be given problems for investigation that are being constantly suggested in the scientific construction and betterment of highways.

115abc. ELECTRICAL ENGINEERING RESEARCH AND DESIGN.

PROFESSORS DAGGETT AND LEAR.

The solution of one or more definite problems in some particular field of electrical engineering. The work of this course will be outlined, as far as possible, to suit the needs of the individual student, and will consist of original investigations, designs, or the economic study of some existing electric power plant.

THE SCHOOL OF EDUCATION

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

NATHAN WILSON WALKER, A.B., Ed.M., *Acting Dean.*

THE ADMINISTRATIVE BOARD

MARCUS CICERO STEPHENS NOBLE,* *Professor of Pedagogy and Dean of the School of Education.*

NATHAN WILSON WALKER, A.B., Ed.M., *Professor of Secondary Education and Acting Dean of the School of Education.*

EDGAR WALLACE KNIGHT, Ph.D., *Professor of Rural Education.*

MARION REX TRABUE, Ph.D., *Professor of Educational Administration.*

JOHN FREDERICK DASHIELL, Ph.D., *Professor of Psychology.*

ANDREW HENRY PATTERSON, A.M., *Professor of Physics and Dean of the School of Applied Science.*

JAMES FINCH ROYSTER, Ph.D., *Kenan Professor of English Philology and Dean of the College of Liberal Arts.*

ROBERT DIGGS WIMBERLY CONNOR, Ph.B., *Kenan Professor of History and Government.*

HOWARD WASHINGTON ODUM, Ph.D., *Kenan Professor of Sociology and Director of the School of Public Welfare.*

NOTE.—The courses in Education listed below are those given for the year of 1922-23. A bulletin to be issued by the School of Education in the Spring of 1923, will contain a complete list of the courses to be offered in 1923-24. Also it will show some modifications of the requirements as they now stand. Students expecting to pursue courses in the School of Education should consult this bulletin before registering.

REQUIREMENTS FOR ADMISSION

See pages 63-66.

EXPENSES

See page 77.

* Temporarily relieved of administrative duties.

PURPOSES

The courses in education prepare for teaching and the executive work of principals and superintendents of schools. A number of courses are also offered which deal with popular education from the viewpoint of the citizen, whatever his occupation or profession. All courses in education carry college credit for the several degrees and at the same time enable those who successfully complete such courses to secure State certificates to teach or to administer schools, without further examination by the State.

Under the public law of the State all public school teachers, principals, superintendents, and supervisors must hold State certificates appropriate to their work. Full information concerning the requirements for the various certificates may be obtained from the Acting Dean; and prospective teachers, principals, superintendents and supervisors should secure this information before registering for courses in the School of Education.

FREE TUITION

By an act of the General Assembly of 1887, free tuition is given to teachers in the schools of North Carolina and to prospective teachers who are residents of the State. In order to secure free tuition, the student applying for the privilege must sign an agreement to teach in North Carolina for at least two years within a period of three years after leaving the University. This provision for free tuition is administered through the School of Education, and students availing themselves of the opportunity it affords are required to register through this school. This does not mean that all who avail themselves of the free tuition privilege for teachers shall register for the A.B. in Education; but it does mean that each one who takes advantage of this provision will be required to meet the professional requirements which the State now demands of one of his academic standing—that is, two professional courses for one who completes the sophomore year; four for one who completes the junior year; and six for one who completes the senior year. A student applying for the free tuition privilege, therefore, may register for either the A.B. degree in the College of Liberal Arts or for the A.B. in Education.

COURSES LEADING TO THE DEGREE OF BACHELOR OF ARTS IN EDUCATION

In order to be recommended for the Degree of Bachelor of Arts in Education, the student must have completed satisfactorily the four-year course outlined below:

Freshman Year

English 1		
History 1-2		
Mathematics 1-2	Select two	{ Latin 1-2 { Greek 3-4 { German 3-4 { French 3-4 { Spanish 3-4

By postponement of any one of these double courses until Sophomore year, one course in Science (Botany 1, 2; Chemistry 1-2 or Zoology 1, 2) may be taken in the Freshman year. Not more than three courses may be taken in any one term except by special permission of the Administrative Board.

Sophomore Year

Select one	English 3-4	Select two	Greek 5	Select two	Education 1
	Botany 1, 2		Latin 3		Education 2
	Chemistry 1-2		German 21*		Education 3
	Physics 1, 2		French 5		Psychology 1-2
	Zoology 1, 2		Spanish 5		
	Botany 1 and Zoology 1			Elective, 1 Course	

If a course in Science has been taken in the Freshman year, the Freshman course then postponed must be taken in place of the course in Science required of Sophomores. Not more than three courses may be taken in any one term except by special permission of the Administrative Board.

Junior Year

For Junior year students are required to select three courses open to Juniors in the School of Education and six courses open to Juniors in the College of Liberal Arts, according to the regulations governing such selection.

* German 23 or German 25 may be substituted.

Senior Year

For Senior year students are required to select four courses open to Seniors in the School of Education and five courses open to Seniors in the College of Liberal Arts, according to the regulations governing such selection.

Regulations

Candidates for the Degree of Bachelor of Arts in Education must complete satisfactorily 36 full courses.

The proportion of these courses to be taken each year in the College of Liberal Arts and the proportion to be taken in the School of Education is as follows:

College of Liberal Arts School of Education

Freshman year	Nine courses	
Sophomore year	Seven courses	Two courses
Junior year	Six courses	Three courses
Senior year	Five courses	Four courses

Courses in the School of Education that are not strictly graduate courses are classified into four groups; one group in the Principles of Education, one group in the Methods of Education, one group in the History of Education, one group in Educational Psychology. The courses included within each group are given below:

Principles: Education 2, 4, 30, 31, 40, 41, 42, 51, 55 and 56.

Methods: Education 3, 5, 6, 52 and 62.

History: Education 26 and 29.

Psychology: Education 1, 12, 20, 22, and Psychology 26.

In order to insure a proper distribution of work and concentration of effort candidates for the Degree of Bachelor of Arts in Education are required to select not less than two courses from the group in Principles; not less than two from the group in Methods; at least one from the group in History of Education, and at least one in Psychology. The remaining three courses are to be selected after consultation with the Dean. The prescribed and elective courses in the Sophomore year are to be counted in meeting this requirement.

In order to meet the requirement of the State Department of Education all students intending to teach in the high schools of the State, whether candidates for A.B. in Educa-

tion or not, are required to take Education 51, Education 52, or their equivalent, and two, or four other courses in Education, the total number depending upon the class of certificate for which they wish to apply. All candidates for A.B. in Education are, therefore, required to select Education 51 and Education 52 as two of the required seven courses in Junior and Senior years.

Each student accepting the teacher's free tuition privilege must complete in the School of Education the number of professional courses required by the State Department of Education for that grade of certificate to which his academic standing would entitle him. The grades of certificates issued and the academic and professional requirements for each are as follows:

Class of Certificate	College Courses	Professional Courses
A	36 (including)	6
B	27 (including)	4
C	18 (including)	2

All courses must be approved by the Acting Dean before they are accepted by the Registrar.

CLASSIFICATION OF COURSES IN EDUCATION, 1922-1923

SOPHOMORE ELECTIVES: Education 1, 2, 3.

JUNIOR AND SENIOR ELECTIVES: Education 4, 5, 22;

Psychology 26; Education 40, 41, 42, 51, and 52.

COURSES FOR GRADUATES AND ADVANCED UNDERGRADUATES: Education 6, 12, 20, 26, 29, 30, 31, 55, 56, 62.

STRICTLY GRADUATE COURSES: Education 101, 103, 104, 106, 107, 111-112-113, 126, 131, 140.

CONSPECTUS OF COURSES IN EDUCATION, 1922-23

Cat. No. of Course	Title	Credit	Classification	Instructor	When Given
1	Fundamentals in Education	1	Psychology	Trabue	S
2	Principles of Education	1	Principles	Walker	F W
3	Methods in Education	1	Methods	Noble	W
4	Theory and Practice of Education	1	Principles	Noble	F
5	Library Administration	1/2	Methods	Wilson	W
6	The Rural School Curriculum	1	Methods	Knight	S
12	Experimental Educational Psychology	1/2 or 1	Psychology	Dashiell	
20	Educational Psychology: General	1	Psychology	Dashiell	S
22	Educational Psychology: The Psychology of Training	1	Psychology	Dashiell	S
26	Public Education in the South	1	History	Knight	F-W-S
Psyc. 26	Genetic Psychology: Child Psychology	1	Psychology	Allport	F
29	American Public Education	1	History	Noble	S
30	Rural Education	1	Principles	Knight	F
31	Rural School Organization and Administration	1	Principles	Knight	W
40	State Educational Organization	1	Principles	Trabue	F
41	City School Administration	1	Principles	Trabue	W
42	County School Organization and Administration	1	Principles	Trabue	S
51	Principles of Secondary Education	1	Principles	Walker	F W
52	Introduction to High School Teaching	1	Methods	Walker	S
55	Social Policy and Education	1	Principles	Walker	F
56	Supervision and Measurement in Secondary Education	1	Principles	Trabue	W
62	Supervision and Measurement in Elementary Education	1	Principles	Trabue	F
101	Problems in Secondary Education	1	Graduate	Walker	F-W-S
103	Problems in Educational Administration	1	Graduate	Trabue	F-W-S
104	Problems in Educational Measurements	1	Graduate	Trabue	F-W-S
106	Public School Education in the South	1	Graduate	Knight	S
107	The Psychology of Training	1	Graduate	Dashiell	S
111 } 112 } 113 }	Experimental Educational Psychology	1/2 to 3	Graduate	Dashiell	F-W-S
126	Foundations of Education in the South	1	Graduate	Knight	F
131	Rural School Organization, Administration and Supervision	1	Graduate	Knight	W
140	Seminar in Education		Thesis Course	Prof. in School of Education.	F-W-S

Courses

1. FUNDAMENTALS IN EDUCATION.

PROFESSOR TRABUE.	Credit, 1 course.
Sophomore course.	<i>Five hours a week.</i>
	<i>Spring Quarter.</i>

Education is viewed in this course as a series of changes in individual pupils. The elementary principles of educational psychology will be illustrated and studied briefly through assigned readings, experiments, and discussions.

2. PRINCIPLES OF EDUCATION.

PROFESSOR WALKER AND	Credit, 1 course.
MR. DAVIS.	<i>Five hours a week.</i>
Sophomore course.	<i>Fall or Winter Quarter.</i>

This course is introduced to give the student a general introduction to the field of education. It has two main objectives: first, to give information about the school as an institution in modern society; second, to indicate concretely some of the problems of the school and to acquaint the student with the modern scientific approach to such problems. It is designed for any student whether he intends to be a teacher or not. Lectures, readings, discussions, and reports.

3. METHODS IN EDUCATION.

PROFESSOR NOBLE.	Credit, 1 course.
	<i>Five hours a week.</i>
	<i>Winter Quarter.</i>

A study of the methods employed in elementary and secondary schools. Required of Sophomores in the School of Education, and open to Juniors and Seniors in the College of Liberal Arts who purpose teaching. Text-book, lectures, and assigned readings.

4. THEORY AND PRACTICE OF EDUCATION.

PROFESSOR NOBLE.	Credit, 1 course.
Junior and Senior elective.	<i>Five hours a week.</i>
	<i>Fall Quarter.</i>

A study of theory and practice of modern education from the viewpoint of both the teacher and the citizen; the selection of the material of instruction; the development and arrangement of the curriculum for the grammar and high school. Lectures, text-books, and assigned readings.

5. LIBRARY ADMINISTRATION: THE USE OF BOOKS.

PROFESSOR L. R. WILSON.	Credit, $\frac{1}{2}$ course.
Junior and Senior elective.	<i>Three hours a week.</i>
	<i>Winter Quarter.</i>

Instruction is given as to the kind of information specific reference books, dictionaries, and encyclopedias contain. Special emphasis is laid on methods of finding material for use in the preparation of themes, essays, debates, orations and of assisting others in finding material in school or public libraries for school use. Practice at the reference desk of the University Library and the preparation of an extensive list of readings on some subject to be assigned will be required. Lectures, assigned readings, text-books.

6. THE RURAL SCHOOL CURRICULUM.

PROFESSOR KNIGHT.

Credit, 1 course.

Five hours a week.

Spring Quarter.

A brief study of the accepted principles of curriculum-making and of their applicability to the rural school. Attention is given to the basis of selection and organization of the course of study for the rural school; text-books; the relative claims of the traditional subjects and of the modern and special subjects; the administration of the course of study in the small and in the consolidated school; daily programs and schedules. Lectures, readings, special studies, and reports.

12. EXPERIMENTAL EDUCATIONAL PSYCHOLOGY.

PROFESSOR DASHIELL.

Credit, 1 course.

Senior elective.

Five hours a week.

Prerequisite, Psychology 1-2, *Laboratory fee, \$2.00.*
or equivalent.

An introduction to the methods of experimental pedagogy. A few central problems of education will be isolated for careful scientific treatment. Laboratory work.

20. EDUCATIONAL PSYCHOLOGY.

PROFESSOR DASHIELL.

Credit, 1 course.

Prerequisite, Psychology 1-2. *Five hours a week.*
or equivalent.

Spring Quarter.

To consider critically different topics, such as original nature of man, heredity versus environment, kinds of learning and factors influencing learning, individual differences, mental hygiene, mental measurement. Texts, lectures, and class experiments.

22. EDUCATIONAL PSYCHOLOGY: THE PSYCHOLOGY OF TRAINING.

PROFESSOR DASHIELL.

Credit, 1 course.

Prerequisite, Psychology 1-2. *Five hours a week.*
Spring Quarter.

An analysis of human training; its nature, means, and possibilities. A reading survey will be made of the outstanding experimental work on these lines. The aim will be to get an accurate

and scientific notion of the subject, with possibilities of application to various fields of applied psychology, including education and industry. Lectures, readings, and experiments.

26. PUBLIC SCHOOL EDUCATION IN THE SOUTH.

PROFESSOR KNIGHT.

Credit, 1 course.

Five hours a week.

Fall, Winter, or Spring Quarter.

This course gives a historical survey of public school education in Southern States with especial attention to its development in organization, administration, and supervision since 1876. Present-day questions in rural education are studied in the light of their historical development, and attention is given to the educational reorganizations needed for the proper solution of the new rural life problems. Text-books, lectures, investigations, and reports.

Psych. 26. GENETIC PSYCHOLOGY: CHILD PSYCHOLOGY.

PROFESSOR ALLPORT.

Credit, 1 course.

Prerequisite, Psychology 1-2. *Five hours a week.*

Fall Quarter.

A study of inherited activities and their development both through bodily maturation and through learning. The growth of special capacities, such as memory and reasoning, as well as general intelligence, will be studied. Special attention will be given to the interests and emotions in childhood, and their bearing upon mental hygiene and character formation.

29. AMERICAN PUBLIC EDUCATION.

PROFESSOR NOBLE.

Credit, 1 course.

Five hours a week.

Spring Quarter.

A study of the growth of popular education in the United States, of the creation of public sentiment in favor of the education of all the people at public expense, and of the gradual realization by the state of the obligation to educate its citizens and how the obligation has been met. Lectures, assigned readings, and reports.

30. RURAL EDUCATION.

PROFESSOR KNIGHT.

Credit, 1 course.

Five hours a week.

Fall Quarter.

A course intended for those students who wish an introduction to the general field of rural education. Among the topics treated are: Present conditions in rural education in the United States, with especial emphasis on conditions in the South; recent development in and the present status of rural educational organization and administration; the increasing demand for professional direction and supervision; the rural school curriculum; agencies for

training teachers for the rural school; rural educational extension work; the wider community use of the rural school. Text-books, lectures, readings, and reports.

31. RURAL SCHOOL ORGANIZATION AND ADMINISTRATION.

PROFESSOR KNIGHT.

Credit, 1 course.

Five hours a week.

Winter Quarter.

A course planned to meet the needs of students preparing to become rural school teachers. principals, supervisors, and superintendents. It gives consideration to the organization, administration, and supervision of rural school education in the United States, with especial emphasis on the present condition in the South. The county as the unit of administration and support, federal aid and a national program for rural educational work, the application of the principles, agencies, and methods of supervision to the rural school will be studied. Text-books, lectures, special investigations, and reports.

40. STATE EDUCATIONAL ORGANIZATION.

PROFESSOR TRABUE.

Credit, 1 course.

Junior and Senior elective.

Five hours a week.

Fall Quarter.

A study will be made of the general principles of educational organization, especially as they apply to the state and nation. The course is intended to introduce teachers to the larger problems of the organizations in which they work. Assigned readings, reports, and discussions.

41. CITY SCHOOL ADMINISTRATION.

PROFESSOR TRABUE.

Credit, 1 course.

Junior and Senior elective.

Five hours a week.

Winter Quarter.

The city as a unit of educational organization and administration operates under the direction of the state. Special attention will be given to the small city and its educational problems. Course 40 is a prerequisite for this course. Assigned readings, reports, and discussions.

42. COUNTY SCHOOL ORGANIZATION AND ADMINISTRATION.

PROFESSOR TRABUE.

Credit, 1 course.

Junior and Senior elective.

Five hours a week.

Spring Quarter.

This course will apply the general principles of school organization to the educational problems of the county. Published surveys of selected counties will be studied in this connection. Prerequisite: Education 40. Assigned readings, reports, and discussions.

51. PRINCIPLES OF SECONDARY EDUCATION.

PROFESSOR WALKER. Credit, 1 course.
 Required of Juniors in *Five hours a week.*
 School of Education. *Fall or Winter Quarter.*
 Junior and Senior elective.

A study of the American high school, its evolution, organization, administration, function, and problems. Special emphasis will be laid on the public high school in North Carolina. This course is designed especially to meet the needs of those students who are looking toward principalships in small high schools. Text-books, lectures, assigned readings.

Students who intend to make application for the High School Principal's certificate are required to complete satisfactorily Education 51, 52, and at least two or four other courses, the number depending upon the class of certificate for which the applicant intends to apply. *The Principles of Secondary Education* by Inglis will be used as the basis of this course.

52. GENERAL METHODS IN SECONDARY EDUCATION.

PROFESSOR WALKER. Credit, 1 course.
 Required of Juniors in the *Five hours a week.*
 School of Education. *Spring Quarter.*
 Junior and Senior elective.

The course deals with a general survey of the nature of the secondary school pupil and of the nature of the subject matter taught in secondary schools; a study of the laws of learning which underlie and determine the conduct of the recitation and the management of the class; tests, examinations, and scales are also taken up and discussed in some detail. Text-book, assigned readings, observation of teaching, and reports.

55. SOCIAL POLICY AND EDUCATION.

PROFESSOR WALKER. Credit, 1 course.
 Senior or Graduate. *Five hours a week.*
Fall Quarters.

Fundamental problems in the social and ethical theory of education. This course deals with problems of social progress from the standpoint of education, attempts to define a social policy for education, and discusses the vital educational issues involved in that policy. Lectures, prescribed readings, essays, and reports. Open to seniors and graduate students only.

56. SUPERVISION AND MEASUREMENTS IN SECONDARY EDUCATION.

PROFESSOR TRABUE. Credit, 1 course.
 Senior or Graduate. *Five hours a week.*
Winter Quarter.

Standard tests for measuring the results of secondary school instruction will be examined and discussed. An effort will be made to give students some familiarity with the methods and scales. Assigned readings, reports, and discussions.

62. SUPERVISION AND MEASUREMENTS IN ELEMENTARY EDUCATION.

PROFESSOR TRABUE. Credit, 1 course.
Senior or Graduate. Five hours a week.
Fall Quarter.

Methods of measuring and improving the results of instruction in the elementary school. As much use as possible will be made of actual measured results. Assigned readings, reports, and discussions.

101. PROBLEMS IN SECONDARY EDUCATION.

PROFESSOR WALKER. Credit, 1 course.
Graduate. Two hours a week.
Fall, Winter and Spring Quarters.

This course is intended for advanced students and is primarily a course in investigation. To be admitted to it, a student must have pursued other courses in secondary education. Students who have not taken Education 51 may be admitted only with the special permission of the instructor. At the beginning of the course each student is required to select some one problem for special investigation. The problem for investigation may be chosen by the student but must be subject to the approval of the instructor as to both field and method. A thesis will be required of each student. Throughout the year regular class discussions will be held on various problems in secondary education and assigned readings will be required.

103. PROBLEMS IN EDUCATIONAL ADMINISTRATION.

PROFESSOR TRABUE. Credit, 1 course.
Graduate. Two hours a week.
Fall, Winter and Spring Quarters.

A graduate course offering opportunity for intensive study and research on selected problems in the field of educational administration. The problems will be selected by the class each year, making it possible for the student to take this course more than once. Prerequisites: Education 40 and 41, or their equivalent. Assigned readings, reports, and discussions.

104. PROBLEMS IN EDUCATIONAL MEASUREMENTS.

PROFESSOR TRABUE. Credit, 1 course.
Graduate. Two hours a week.
Fall, Winter and Spring Quarters.

Students who wish to specialize in educational measurements may take this course more than once if desired, for the problems considered will differ from year to year. Prerequisite: Education 62 or 56. Assigned readings, reports, and discussions.

106. PUBLIC EDUCATION IN THE SOUTH.

PROFESSOR KNIGHT.

Credit, 1 course.

Graduate.

*One hour a week.**Spring Quarter.*

This is a research course in public school education in the Southern States. An exhaustive study will be made of special topics through investigations, reports, and conferences.

107. THE PSYCHOLOGY OF TRAINING.

PROFESSOR DASHIELL.

Credit, 1 course.

Graduate.

*Five hours a week.**Spring Quarter.*

An analysis of human training; its nature, means and possibilities. A reading survey will be made of the outstanding experimental work on these lines. The aim will be to get an accurate and scientific notion of the subject, with possibilities of application to education.

111-112-113. EXPERIMENTAL EDUCATIONAL PSYCHOLOGY.

PROFESSOR DASHIELL.

Credit, $\frac{1}{2}$ to 3 courses.

Graduate.

*Fall, Winter and Spring Quarters.**Laboratory fee \$2.00.*

Opportunity will be offered for the experimental investigation of special problems along the line of the individual student's interests. Where necessary, adjustment of the work to the needs of graduate students lacking laboratory training in this field can be made.

126. FOUNDATIONS OF EDUCATION IN THE SOUTH.

PROFESSOR KNIGHT.

Credit, 1 course.

Graduate.

*Five hours a week.**Fall Quarter.*

In this course the various educational agencies will be studied by texts, lectures, special investigations and research, reports and discussions, for the purpose of presenting (a) the development of present educational practices, tasks and tendencies and (b) the influence of the dominating economics, political, and social ideals in the evolution of the free common school system, high schools, and institutions of higher education.

131. RURAL SCHOOL ORGANIZATION, ADMINISTRATION, AND SUPERVISION.

PROFESSOR KNIGHT.

Credit, 1 course.

Graduate.

*Five hours a week.**Winter Quarter.*

This is an administrative and professional course and is intended for those persons who are preparing for county superintendencies

and rural school supervisory positions. It is both a descriptive and research course in rural life conditions in the South and especially in North Carolina, and consists of lectures, discussions, readings, and individual projects in field work and investigation.

140. SEMINAR IN EDUCATION.

Professors in The School Thesis Course.
of Education.

Two hours a week.

This is a course of strictly graduate grade in which there will be taken up such work as is necessary for each student in connection with the writing of his degree thesis. It is intended for those students whose graduate major is in Education, but students whose thesis topics are closely related to Education are invited to attend and to take part in the discussions. The class will meet for two hours each week through the year.

THE SCHOOL OF COMMERCE

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

DUDLEY DEWITT CARROLL, M.A., *Dean.*

THE ADMINISTRATIVE BOARD

CLAUDIUS TEMPLE MURCHISON, Ph.D., *Professor of Business Economics.*

WALTER JEFFRIES MATHERLY, M.A., *Associate Professor of Business Administration.*

ERLE EWART PEACOCK, M.B.A., *Associate Professor of Accounting.*

LOUIS ROUND WILSON, Ph.D., *Kenan Professor of Library Administration.*

WILLIAM WHATLEY PIERSON, JR., Ph.D., *Professor of History and Government.*

HOMER HOYT, A.M., J.D., *Associate Professor of Economics.*

STURGIS ELLENO LEAVITT, Ph.D., *Professor of Spanish.*

CORYDON PERRY SPRUILL, A.B., B.Litt., *Assistant Professor of Economics.*

CHARLES THOMAS WOOLLEN, *Business Manager of the University.*

GENERAL AIM AND PURPOSE

The School of Commerce is an expression of the University's desire to serve the business life of the South. It was established as a result of the action of the State Legislature in the session of 1919, when the recommendation of the President and Trustees of the University was approved and an appropriation made for the purpose.

The course of study is based on the recognition that business is becoming a profession. The forces and influences operating in this field are so far-reaching and baffling in their complexity that to master them requires both broad and intensive training. Definite preparation to function successfully in the organization and administration of business en-

terprise is the purpose of the School, which is coördinate in standing and equipment with the College of Liberal Arts and the School of Applied Science.

The Course of Study covers four years and is designed to give a foundation of broad and general culture and, at the same time, supply a definite and practical training to those who intend to engage in any of the great lines of industrial and commercial activity. By a certain elasticity in the choice of elective subjects, it also will be possible to prepare for the consular service, the teaching of commercial subjects, or public service.

REQUIREMENTS FOR ADMISSION

See pages 63-67.

EXPENSES

See page 77.

COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN COMMERCE

The degree of Bachelor of Science in Commerce will be conferred upon students who satisfy the entrance requirements and complete the four-year course outlined below.

Freshman Year

English 1, Composition.

Mathematics, 1, 2, Unified course.

History 1-2, General History.

Geology 5-6, Industrial and Commercial Geography.

Select	{	French 3-4
one		German 3-4
		Spanish 3-4

Sophomore Year

Economics 1-2, General Course.

Economics 15, Industrial History.

English 3-4, English and American Literature.

Select	{	Chemistry 1-2
one		Geology 1-2
		Physics 1, 2
		Botany 1, 2
		Zoology 1, 2

Select	{	French 5, 9
one		German
		Spanish 5, 9

Two Courses.

Junior Year

REQUIRED COURSES

Accounting 1-2, General Principles of Accounting. (Two Courses).
Business Administration 1, Business Organization.
Economics 3-4, Money and Banking.
Government 1-2, Principles and Methods of Modern Government.

ELECTIVES

(Select Two Courses)

Economics 6, Insurance.
Economics 9, Transportation.
Business Administration 2, Industrial Management.
Business Administration 3, Corporation Finance.
Business Law.
Economics 10, Labor Problems.
Rural Economics 1-2.
French 7-8.
German 11.
English 21-22, Advanced Composition.
English 20, Business English.
Psychology 1-2, General Psychology.
Psychology 30, Social Psychology.
Sociology 3, Principles of Statistics.
Government 11, American State Government.
Business Statistics.

Senior Year

REQUIRED COURSES

Economics 16, Theories of Economic Reform.
Business Law. (If not taken in the Junior Year).
Psychology 1-2. (If not taken in the Junior Year).

ELECTIVES

(Select courses to make total of nine)

All courses listed under the Junior Year and the following:
Accounting 3-4, Advanced Accounting.
Accounting 5, Cost Accounting.
Accounting 6, Auditing.
Accounting of Income Tax Procedure.
Banking Practice.
Economics 13-14, Public Finance.
Foreign Trade.

Salesmanship.
Sales Management.
Advertising.
International Law.
Credits and Collections.
Investments.
Employment Problems.
Merchandising.
Business Statistics.
History 9-10, Latin-American History and Customs.
Geology 21-22, Advanced Industrial and Commercial Geography.
Philosophy 13-14-15. Ethics.
Traffic Problems.
Business Cycles, (Half Course).
Economics, 18-19-20, Advanced Economic Theory.
Commerce, 106-107-108, Commerce Seminar.
Psychology 35, Industrial Psychology.
Psychology 36, Psychology of Advertising.
Problems in Business Law.

The selection of electives in the Junior and Senior Years must be made in consultation with the Dean of the School of Commerce, and according to a grouping of subjects arranged by the Administrative Board. The object will be to help each student to arrange a program of study looking toward an understanding of the special line of business in which he is planning to engage. In certain cases, where it would clearly promote a more effective preparation of the student, subjects may be chosen which are not included in the list of electives in the Junior and Senior Years.

No credit in the course is given for stenography, but every student is urged to acquire facility in the use of it before graduation.

SPECIAL STUDENTS

There are many young people already in business who feel the need of additional special training, but who are unable to spend the full four years at the University or who cannot provide proper entrance credits. Recognizing this, the School of Commerce will admit students of twenty-one years of age, or over, who cannot fulfill the entrance requirements, as special

students, but not as candidates for the degree. Such students must supply satisfactory evidence of their ability to profit from the courses.

LECTURES

A part of the training will consist of attendance upon lectures given by representative business men of the State and the South. These will be supplemented by Government officials, both State and national, who are dealing with industrial problems. These lectures will acquaint the students with the practical problems of current business, and enable the business men to come in touch with young people in training who may be utilized later in making their organizations more efficient.

APPRENTICESHIPS

During the summer, between the Junior and Senior years, each student will be expected to spend his time working in an establishment in the line of business for which he is preparing. This may begin in the summer following the Sophomore year, as is the case now with students who go to the National City Bank of New York. An effort will be made to assist students in securing such opportunities for the summer. However, the School must not be regarded as an employment agency, as one of the most valuable experiences in training for business comes from locating opportunities for one's self. The University itself, in its business aspects, will be used as a working laboratory, particularly the offices of the Treasurer and Business Manager. Wherever possible, each student, before graduation, will be required to make a careful analysis of a going concern in the field of his practical interest.

GRADUATE WORK

Provision has been made for graduates of approved institutions who have had at least two years' work in commerce to take courses leading to the degree of Master of Science in Commerce. At least one of the courses must involve research work on a business problem. For more complete information see catalogue of the Graduate School.

COURSES OF INSTRUCTION

Accounting

1-2. PRINCIPLES OF ACCOUNTING.

PROFESSOR PEACOCK. Credit, 2 courses.
Prerequisite or corequisite, *Five hours a week.*
Economics 1-2. *Fall and Winter, Winter and Spring Quarters.*
Laboratory fee, \$3.00 a quarter.

Lectures with laboratory work. Study of the theory of debit and credit; single proprietor, partnership and corporation accounts; the interest problem; depreciation; principles for the valuation of assets; construction and analysis of accounting statements, and a general survey of such fields of accounting as cost accounting, municipal accounting, railway accounting and auditing. Laboratory exercises in accounting problems and technique.

3-4. ADVANCED ACCOUNTING.

PROFESSOR PEACOCK. Credit, 2 Courses.
Prerequisite, Accounting *Five hours a week.*
1-2. *Winter and Spring Quarters.*
Laboratory fee, \$3.00 a quarter.

Lectures with laboratory work. Study of accounting problems and forms for special types of business concerns, including hotels, mines, department stores, cotton mills, agencies and banking. Accounting for the organization and liquidation of co-partnerships and corporations, for combinations and consolidations, for trustees and receiverships, branch houses, municipalities, and foreign exchange. Extended study of consolidated balance sheets and C. P. A. problems.

5. COST ACCOUNTING.

PROFESSOR PEACOCK. Credit, 1 course.
Prerequisite, Accounting *Five hours a week.*
1-2. *Winter Quarter.*
Laboratory fee, \$3.00 a quarter.

Lectures with laboratory work. Methods for collection of data relative to prime costs and a careful analysis of various methods of burden distribution. Application of principles will be made in the laboratory by means of budgets for cost accounting in different classes of enterprise.

6. AUDITING.

PROFESSOR PEACOCK. Credit, 1 course.
Prerequisite, Accounting *Five hours a week.*
1-2. *Winter Quarter.*
Laboratory fee, \$3.00.

Lectures and problems. Kinds of audits, systems of accounts, methods of conducting audits and problems in auditing.

10. INCOME TAX PROCEDURE.

PROFESSOR PEACOCK. Credit, $\frac{1}{2}$ course.
Prerequisite, Accounting Three hours a week.
1-2, Spring Quarter.
Laboratory fee, \$2.00.

This course consists of a thorough study of both the Federal and State Income tax laws and the problems that arise in the making of the various returns. The preparation of the tax returns and claims for refund and abatement will be undertaken as laboratory exercises.

BUSINESS ADMINISTRATION

1. BUSINESS ORGANIZATION.

PROFESSOR MATHERLY. Credit, 1 course.
Prerequisite, Economics 1-2. Five hours a week.
Fall Quarter.

The types and methods of business organization with emphasis on the corporation, its nature, development and operation. The external relations of a business organization and the internal co-ordination of the factors in production with a view to the establishment of effective control and definite responsibility for results.

2. INDUSTRIAL MANAGEMENT.

PROFESSOR MATHERLY. Credit, 1 course.
Prerequisite, Economics 1-2. Five hours a week.
Winter Quarter.

This course covers the problems involved in the construction, equipment and internal administration of an industrial enterprise. The location of plant; adaptation of building to processes; routing of work; types of specialization and methods of coördinating workers and departments; the delegation of authority and relation of responsibility to authority; the development and maintenance of standards; methods of purchasing, storing and checking up materials; the determination and recording of costs; the handling of labor.

3. CORPORATION FINANCE.

PROFESSOR MATHERLY. Credit, 1 course.
Prerequisite, Economics 1-2. Five hours a week.
Spring Quarter.

Methods of financing business enterprise, the principles governing the issuance and proportion of the various classes of securities issued by a corporation; the conditions which lead to the issuance of particular forms of securities, the organization of subsidiaries, methods of financing mergers, combinations and consolidations; amortization of debts; reorganizations; intercorporate relations. The preparation of securities with relation to the market.

4. BUSINESS STATISTICS.

PROFESSOR MURCHISON. Credit, $\frac{1}{2}$ course.
Prerequisite, Economics 1-2. *Three hours a week.*
Fall Quarter.

Collection, classification, and presentation of business data. Construction of graphs and diagrams. Study of index numbers. How to make a survey of a given business unit, and of business conditions generally. Each student is required to work out a problem involving simple research methods.

5. INVESTMENTS.

PROFESSOR MATHERLY. Credit, 1 course.
Prerequisite, Economics 1-2. *Five hours a week.*
Winter Quarter.
Laboratory fee, \$1.00.

A study of the various forms of investments with reference to their suitability for the different types of investors; the money market, its nature and the financial factors which influence the price movements of securities; elements of sound investment and methods of computing net earnings, amortization, rights and convertibles. The aim will be to train the student so he will be able to act efficiently in a financial capacity either as a borrower or lender, as investor or trustee, or as fiscal agent of a corporation.

6. EMPLOYMENT MANAGEMENT.

PROFESSOR MATHERLY. Credit, $\frac{1}{2}$ course.
Prerequisite, Economics 1-2. *Three hours a week.*
Spring Quarter.

A critical study of the methods of hiring and handling employees in the various lines of industry. The supply, selection, training, promotion, transfer and discharge of employees; the computation and significance of labor turnover; housing, educational and recreational facilities; the functions of an employment department with reference to efficiency and the maintenance of good will between employees and employers.

7-8-9-E. INDUSTRIAL ORGANIZATION AND MANAGEMENT.

PROFESSOR MATHERLY. Credit, $1\frac{1}{2}$ courses.
Prerequisite, Economics 1-2. *Three hours a week.*
Fall, Winter and Spring Quarters.

The elements of business organization with emphasis on the corporation, its nature, its promotion, its financing, and its operation. Internal organization with special reference to methods of control, managerial accounting, cost analysis, financing of current operations, valuation and methods of appraisal, depreciation, sinking funds, and the interpretation of financial statements. The economics of locating and managing industrial plants, the handling

of the labor factor through specialized personnel administration and the relations existing between consumers and producers. Open only to engineering students.

COMMERCE

1. MARKETS AND MARKETING.

PROFESSOR ZIMMERMAN. Credit, 2 courses.

Prerequisite, Economics 1-2. *Five hours a week.*

Fall and Winter Quarter.

The course deals with the organization, methods, principles and policies of the various types of markets. The leading industries are considered with reference to the nature of the product and the processes in production which influence marketing; the nature of the markets, and the mechanism and methods of marketing. Such problems as standardization, brand development, and price policies are also considered.

2. FOREIGN TRADE.

PROFESSOR ZIMMERMAN. Credit, 1 course.

Prerequisite, Economics 1-2. *Five hours a week.*

Spring Quarter.

Analysis of American exports and imports. Development of foreign markets. Actual operations in the shipment and financing of export commodities. Managing a foreign trade organization.

3. SALESMANSHIP.

PROFESSOR FERNALD. Credit, $\frac{1}{2}$ course.

Prerequisite or Corequisite, *Three hours a week.*

Economics 1-2. *Fall and Spring Quarters.*

Laboratory fee, \$1.00.

This course will include a careful analysis of the psychology of selling; the qualifications of a good salesman, and their development; the relative value of suggestion, persuasion, and argument in securing decision, the scientific analysis of a sale—the preapproach, the approach, the demonstration and consummation. Typical problems in selling at retail and wholesale and in marketing various types of specialties are presented.

4. SALES MANAGEMENT.

PROFESSOR FERNALD. Credit, 1 course.

Prerequisite, Economics 1-2. *Five hours a week.*

Winter Quarter.

This course follows the course on Salesmanship but goes beyond and considers the organization and operation of a sales department. Some of the subjects studied are: the functions of a sales manager; analysis of the goods, the market and the prospective customers; the planning and management of selling campaigns; sales equipment, records, tests, and relative costs; selecting, training, organizing, supervising and compensating salesmen.

5. ADVERTISING.

PROFESSOR FERNALD.

Credit, 1 course.

Prerequisite, Salesmanship.

*Five hours a week.**Fall and Spring Quarters.**Laboratory fee, \$1.00.*

The course consists of a study of the psychological basis of advertising, the types of advertising, and their adaptation to the various lines of business, the relative value of the various advertising media, the mechanism of an advertisement and methods of testing effectiveness. Attention is also given to the work of planning and executing an advertising campaign and checking up the results. Practical problems are a part of the course.

6. MERCHANDISING.

PROFESSOR FERNALD.

Credit, 1 course.

Prerequisites, Economics

Five hours a week.

1-2 and Marketing.

Winter Quarter.

The retailer is the last step in the distributing system of merchandise. His problems are many and because of his position in the field of business a study of his organization, functions and methods is paramount in the training of every business man. The preparation and maintenance of stock records, the organization and management of sales forces and the determination and execution of credit and price policies are subjects which are taken up and discussed. Problems form an important part of this course.

7. CREDITS AND COLLECTIONS.

PROFESSOR FERNALD.

Credit, $\frac{1}{2}$ course.*Three hours a week.**Spring Quarter.*

A study of the position of credit in modern industry and its relation to the extension of trade is combined with an analysis of the elements which enter into the determination of credit risks. Consideration is also given to the methods by which credit is extended, the standardization of the forms of credit and the means by which collections may be effected. Some attention is given to the work of collection departments and agencies, and adjustment methods.

8. BANKING PRACTICE.

PROFESSOR MURCHISON.

Credit, $\frac{1}{2}$ course.

Prerequisite, Economics 3-4.

*Three hours a week**Spring Quarter.*

Organization and management of a commercial bank. Duties and responsibilities of different departments. Bank accounting. Handling of credit instruments, checks, drafts, acceptances, bills of exchange. Critical examination of present methods and standards.

11. BUSINESS CYCLES.

PROFESSOR MURCHISON.

Credit, $\frac{1}{2}$ course.Prerequisite, Economics 1-2. *Three hours a week.**Winter Quarter.*

A study of the alternating periods of depression and prosperity. The underlying causes of panics and crises. Fluctuations in prices, trade volume, and physical production.

12-13-14. BUSINESS LAW.

PROFESSOR HOYT.

Credit, $2\frac{1}{2}$ courses.

Prerequisite, Economics 1-2. *Five hours a week Fall and Winter, and Three hours in Spring Quarter.*

The aim of the course is to give the student an understanding of the main principles of law which govern in the daily conduct of business. The topics discussed are: Contracts, agencies, negotiable instruments, sales, bailments, corporations, partnerships and bankruptcy.

106-107-108. SEMINAR.

PROFESSOR MURCHISON,
Chairman.

Credit, $1\frac{1}{2}$ courses.

A general introduction to methods of advanced study. Some phase of business activity is selected for consideration in harmony with the interests of the members of the seminar. Methods of work and content receive about equal emphasis.

141. SEMINAR.

Individual research in a special field under direction of a member of the faculty.

Allied Courses

English 20. COMPOSITION.

MR HOWELL.

Credit, 1 course.

Sophomore, Junior and

Five hours a week.

Senior elective.

Spring Quarter.

A course similar to English 21 in purpose, but emphasizing commercial relations and problems, and affording practice in the writing of professional forms. Especially designed for students in the School of Commerce.

French 9. COMMERCIAL FRENCH.

PROFESSOR STAAB.

Credit, 1 course.

Junior and Senior elective.

Five hours a week.

Prerequisite, French 5.

Spring Quarter.

The object of this course is to give the student practical training in modern French. Newspaper and magazine articles dealing with the life and customs of the country will be read. Practice in social and commercial correspondence. This course will be largely conducted in French.

Spanish 9. COMMERCIAL SPANISH.

PROFESSOR LEAVITT. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
 Prerequisite, Spanish 5. *Spring Quarter.*

The object of this course is to give the student practical training in modern Spanish. Newspaper and magazine articles dealing with the life and customs of South America will be read. Practice in social and commercial correspondence. This course will be largely conducted in Spanish.

German 31. COMMERCIAL GERMAN.

PROFESSOR TOY. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
 Prerequisite, one of the following: *Winter Quarter.*
 German 21, 22, 23, 25, 26.

This course is designed to meet the needs of those who are preparing to enter commercial life. The methods employed and the material used are such as are adapted to the purpose of this course.

Sociology 3. STATISTICS AND STATISTICAL METHODS.

PROFESSOR ODUM. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
Winter Quarter.

A brief survey of the field of theoretical statistics, with a thorough mastery of the elements of numbering, averages, modes, medians, variations, and scientific principles involved. Special emphasis will be placed upon practical methods of utilizing statistics, the recognition of facts, gathering data, compiling, plotting, conclusions, and the special application of statistics to social phenomena.

35. COMMERCIAL PSYCHOLOGY: INDUSTRIAL.

PROFESSOR CRANE. Credit, 1 course.
 Prerequisite, Psychology 1-2. *Five hours a week.*
 (and Psychology 30 *Winter Quarter.*
 advised).

A survey of psychological aspects of industry and business, and of applications being made from the science of psychology to the latter. The attitude throughout to be scientific and critical. Special needs of students of School of Commerce to be kept in mind. Readings and discussions.

36. COMMERCIAL PSYCHOLOGY: ADVERTISING.

PROFESSOR CRANE. Credit, 1 course.
 Prerequisites, Psychology 1-2. *Five hours a week.*
Spring Quarter.

An attempt is made to present systematically those aspects of psychology that will aid the advertiser more effectively to construct and present his advertisements. While aiming to give information of practical value the emphasis is placed upon the establishing of a point of view that will be of assistance in the development of a general technique on the part of the advertiser.

Geology 5-6. INDUSTRIAL AND COMMERCIAL GEOGRAPHY.

PROFESSORS COBB, ZIMMER- Credit, 2 courses.

MAN AND MR. WALKER. *Five hours a week.*

Required of Freshmen in *Fall and Winter, and Winter and Spring Quarters.*

Laboratory fee, \$3.50 a quarter.

Lectures and laboratory work. The first part of the course deals briefly with weather and climate, origin and nature of soils and the chief natural divisions of the world. This is followed by a study of the geography, the commerce and the industry of the more important countries, with especial emphasis on the countries with which we now have or are likely to have extensive commercial relations.

THE SCHOOL OF PUBLIC WELFARE

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

HOWARD WASHINGTON ODUM, Ph.D., *Director of the School of Public Welfare and Consulting Expert for the State Board.*

SPECIAL STAFF

EUGENE C. BRANSON, A.M., Litt.D., *Kenan Professor of Rural Social-Economics.*

HOWARD W. ODUM, Ph.D., *Kenan Professor of Sociology.*

JESSE F. STEINER, Ph.D., *Professor of Social Technology.*

HAROLD D. MEYER, A.M., *Associate Professor of Sociology and Supervisor of Field Work.*

HARRY W. CRANE, Ph.D., *Associate Professor of Psychology and Psycho-Pathologist for the State Board of Public Welfare.*

EUGENIA BRYANT, *Supervisor of Family Case Work and Lecturer on Family Case Problems.*

HISTORICAL STATEMENT

The School of Public Welfare of the University of North Carolina was authorized by the Board of Trustees at their mid-year meeting in January, 1920, on the recommendation of President Harry Woodburn Chase. The recommendation was made with the needs both of the college and the extension service of the University in mind and with the thought that such a School of Public Welfare would be built up around the Department of Sociology. In his report to the trustees, President Chase said:

“Nothing is more clear than that, if the citizenship of state and nation is to grapple successfully with the ever more complex problems of modern democracy, if popular government is to work effectively in these confusing times, our educational system as a whole must stress as never before the instruction of our youth in matters of common weal. A knowledge of the fundamental law of society, of what democracy really means and what its problems are, a spirit of social-

mindedness which leads the individual to look beyond himself and to think of himself in relation to his community—these things are more and more requisite for good citizenship. The social sciences, including economics, history, government and sociology in its various aspects, must receive a new and more intense emphasis in the higher education of the future. North Carolina, feeling her way towards the solution of new social problems consequent upon the growing complexity of her life, with a new program of social legislation, needs, and will need, leaders well trained in the fundamentals of their task. The proposed School of Public Welfare should help train such leaders, should offer short courses for workers in service, and should, in coöperation with state and national agencies, render assistance to the cause of public health, to superintendents of public welfare, Red Cross workers, secretaries of chambers of commerce and board of trade, to school systems in their special problems, to bureaus of community recreation—in short, it should both correlate and make distinctive additions to the contributions which the University can render to the development of the human wealth in North Carolina.’’

THE GENERAL PLAN OF WORK

In accordance, therefore, with the purposes of the School as set forth by the President and Trustees of the University plans for effective organization were begun and tasks entered upon during the Summer School of 1920. To meet the specific needs of the State and the University, and to some extent the South, a four-fold service was planned. The *first* emphasizes *instruction* in Sociology and Social Problems, including teaching in the College and University, extension teaching through the Bureau of Extension for outside communities, and through general instruction and promotion of citizenship. The *second* emphasizes *training for special work and community leadership*, with special reference to town, village and rural communities, and with special application to the State of North Carolina and the South. This division hopes to meet the very urgent demands of the State for trained men and women for its county superintendents of public welfare and

other official positions and of many communities throughout the South for Red Cross secretaries and other community workers in the mill village and elsewhere. The *third* aspect of the work emphasizes direct and indirect *community service*, or social engineering through the avenues of community leaders, county superintendents of public welfare, local and district conferences, and community planning for leaders, industrial managers, and others. The *fourth* aspect emphasizes social research, scientific inquiry, and publication of results estimated to be of value to the State, the University, and to the general public welfare and social progress. A *fifth* general purpose, kept constantly in the foreground, provides that the School maintain close and cordial coöperation with the State Department of Public Welfare, with other State departments of public service, with other departments and schools of the University, and with local and national voluntary agencies.

UNIVERSITY ORGANIZATION

In the classification of services just described it is important to keep in mind the larger two-fold nature of the work. Instruction in the college and University, together with research into social problems constitute the primary function of the Department of Sociology; while training for professional social work, extension services, and assistance in coördinating and perfecting public services, mark the primary work of the School of Public Welfare as an integral administrative unit of the University. The work of the Department of Sociology is credited as other Departments of the college, in the School of Liberal Arts and other Schools, and may be counted toward the several degrees. The graduate degrees given in the School of Public Welfare, with Majors in Sociology or social work, are granted through the Graduate School of the University, as are all other graduate degrees. The University believes that professional training for social work and community leadership will make substantial progress in the projection of the ideals of a university professional school into the practical programs of public welfare. These ideals include: A standard curriculum of

permanent and administrative unity; a special faculty of trained teachers; a faculty of coöperating university professors; the large university faculties and influence; a group of students well prepared and possessing the personality and character for leadership; a program of field work which provides adequate training and contributes to community building; the support of an enthusiastic and informed constituency; cordial coöperation with departments of public service and with private enterprise; the spirit of scientific and constructive work characteristic of the best educational statesmanship.

THE PLAN OF INSTRUCTION

In planning the courses of instruction, two important considerations have been kept constantly in mind: The first is to provide the necessary courses in social theory and applied sociology for the student who wishes to major in Sociology or to elect subjects from this Department adequate for his purposes. The second consideration has in mind the necessary background, philosophy, and technique prerequisite to the preparation for social work in the larger and more effective way. In the first group, courses consist largely of the study of the history and theory of society, together with special problems like immigration, social pathology, penalogy, the negro problem, statistics, and social research and seminars on special topics assigned to the student. Such courses may be elected by college students and counted toward other degrees, or they may be elected and coördinated with the special courses for the training for professional social work.

In the group of courses prepared especially for the training of social workers and community leaders the institutions and institutional modes of life are the centers around which are built the instruction and field work required of all who select this plan of preparation. The six fundamental institutional modes of life emphasized are: The home and family; the school and education; the church and religion; the State and government; industry and work; the community and association. No courses are offered in the field of religion and the church, but courses in Philosophy may be elected if desired, and the place of the Church is treated thoroughly in

all courses in community organization and community work, as well as in courses dealing with social theory and organization. The plan of instruction, then, follows the division set forth below:

- I. General Social Theory.
- II. The Home and Family.
- III. The Community and Association.
- IV. The State, Government, and Public Institutions.
- V. The School and Education.
- VI. Industry and Work.
- VII. Methods of Organization and Administration.
- VIII. Field Work.
- IX. Summer Institutes of Public Welfare.

In each of these divisions courses listed are correlated with other courses, both in the Department of Sociology and the School of Public Welfare, and in the Departments of Economics, Government, Psychology and the Schools of Education and Commerce. The courses tending more nearly to specialization in industrial management and industrial welfare will be strengthened as the demand increases to include a large number from which to choose. In making plans for enrolling or electing courses the student should make special inquiry to ascertain whether all courses listed are given during any specific year. The exact statement of term courses is given where possible, but the special needs of students, together with other considerations, make it advisable to allow some flexibility in arranging final schedules.

CANDIDATES FOR GRADUATE DEGREES

It is especially desired that those graduate students who are pursuing courses leading to the Master's degree, if they major in Sociology or Social Work, select a minor from the fields of Rural Social Science, Economics, Government, Education, or History. To those who major in those subjects a special invitation is extended to select a minor in Sociology. This degree may be obtained in one year if the applicant is well prepared and does effective work. For those teaching fellows or others who desire to do two or more years of work,

or for those who are candidates for the Doctor's degree an excellent program can be mapped out. Much of the best work is done and many of the strongest leaders and educators are developed through such a correlation of the work of the several Departments of Social Science. In each of these fields North Carolina is rich in available opportunities for research and leadership and the several Departments are well equipped to do work of the highest order. In the announcements that follow reference is made to the several Departments and selected courses are listed to indicate the opportunities for appropriate electives in other Departments.

PUBLIC OFFICIALS AND OTHER TRAINED WORKERS

Of special interest to Municipal and County Officers, especially city managers, is the new course just announced for municipal officials. This course, given in the School of Commerce, provides for a well rounded series of electives combining courses in the School of Public Welfare and in education with the work done in the School of Commerce and drawing generously on the Departments of Economics, Sociology, and Civil Engineering. The Freshman and Sophomore classes are provided with the usual standard courses in languages, history, mathematics, and prerequisite physical sciences. There is, perhaps, no greater field of need and opportunity to-day than in this field for business managers of municipal and county governments.

But other officials will be equally interested; and students graduating and looking forward to careers of promise should be interested in many of the courses; the judge of the juvenile court; the county commissioners; members of boards of schools and other institutions; county superintendents of public welfare; county demonstration agents; county health officers; community service executives; teachers for schools for adults; and many other public officials of state, county, and municipality.

In the days to come the *visiting teacher* will prove to be one of the most important of all public service individuals and will find in training for community work the basis for out-

standing success. The visiting teacher has been described as the agent of adjustment of conditions in the lives of individual children to the end that they may make more normal progress; and this end is attained by visits first to the school, then to the home, then to the county superintendent of public welfare or other coöperating agency, thus gathering up the loose threads and focussing them upon home, school and community. No less than special classes the school of democracy will have its visiting teachers alongside the superintendent of public welfare to help make democracy real in the unequal places.

THE SCOPE OF PROFESSIONAL COURSES

In addition to the regular graduate degree and the special courses selected and combined to meet the needs of special public officials, the following types of courses are given. Details of these may be gained from subsequent descriptions.

I. A one year course of professional training consisting of two quarters in residence and one quarter in field work under supervision. This course is open to graduates of colleges of good standing. In addition to the specialized field work required during the third quarter, students taking this course will carry on field work in counties adjacent to the University during the two quarters in residence. A certificate will be issued upon completion of this course.

II. A two years' course of professional training. The first year of this course is identical with the one year course. It will be followed by another year both in residence and in the field. Courses during the second year are designed for more intensive specialization and research and for more responsible administrative and executive work. A diploma will be issued upon completion of this course.

III. A four year collegiate course, leading to the bachelor's degree with major in Sociology or social work is available for undergraduates and especially adapted to those who wish to prepare for special leadership in educational and administrative work in this field. It also makes the student thus graduating eligible for the advanced pure graduate course in Social Work and Administration.

IV. Special courses of one, two or three quarters arranged for students desiring to do special research or short time work. Students not eligible to the regular courses by reason of not holding a degree may be admitted to these special courses as *special students* provided they have had sufficient general education and practical experience to insure satisfactory work.

V. Summer institutes, arranged for special groups including superintendents of public welfare, county directors of community recreation, Red Cross secretaries, teachers and principals interested specially in community work, and others.

For further particulars concerning scholarships, fellowships, publication, courses, and other details see the special Bulletin of the School of Public Welfare, issued in January; see also the announcement of courses in the Department of Sociology.

THE GRADUATE SCHOOL

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

EDWIN GREENLAW, Ph.D., *Dean.*

THE ADMINISTRATIVE BOARD

WILLIAM DEBERNIERE MACNIDER, M.D., *Kenan Professor of Pharmacology.*

WILLIAM CHAMBERS COKER, Ph.D., *Kenan Professor of Botany.*

WILLIAM MORTON DEY, Ph.D., *Professor of the Romance Languages and Literatures.*

PARKER HAYWARD DAGGETT, S.B., *Professor of Electrical Engineering.*

JAMES MUNSIE BELL, Ph.D., *Smith Professor of Chemistry.*

EDGAR WALLACE KNIGHT, Ph.D., *Professor of Rural Education.*

WILLIAM WHATLEY PIERSON, JR., Ph.D., *Professor of History.*

*GUSTAVE ADOLPHUS HARRER, Ph.D., *Associate Professor of Latin.*

CLAUDIUS TEMPLE MURCHISON, Ph.D., *Professor of Applied Economics.*

The Graduate School finds its province in the fostering of research, in training students to become investigators and teachers in special fields of learning, and in supplying opportunity for further study to those who have already completed a college course. The University of North Carolina has been interested in research for more than a century, and has made noteworthy contributions in science, history, and the languages. Through its research clubs and learned journals, as well as through publications and other contributions to learning made by members of its faculty, the University has acquired the authority to give advanced instruction. For this it is competent both from the standpoint of the personnel of its faculty and in material equipment in libraries and laboratories.

* Absent on leave, 1922-1923.

Work for advanced degrees is under the supervision of the Graduate Faculty, which consists of those officers of professorial rank who are chiefly interested in the Graduate School, either because they offer courses for graduate students or because of their interest in research. The immediate direction of the Graduate School is in charge of an Administrative Board, of which the Dean is chairman.

ADMISSION TO THE GRADUATE SCHOOL

Holders of bachelor's or higher degrees from standard colleges are admitted to the Graduate School upon presentation of their credentials and without examination. Upon the vote of the Administrative Board other mature persons may be admitted as special students in courses for which they are qualified. Admission to the Graduate School does not imply admission to candidacy for a higher degree, nor does it guarantee that the master's degree may be attained after one year's residence, or the doctor's degree after a residence of two or three years. Exact prescriptions for advanced degrees are made on the basis of the record of the student at this University as well as his undergraduate college; they are determined for students as individuals, not as graduates of an approved college, and they may vary in accordance with the preparation of the student in the field in which he proposes to do advanced work.

ADMISSION TO CANDIDACY FOR A HIGHER DEGREE

Not earlier than the last week of his first quarter of residence, a member of the Graduate School may apply for admission to candidacy for a higher degree. This application must be accompanied by a transcript of his undergraduate record in the departments in which he proposes to do his major and minor work, and in allied departments. There must also be a certificate from the heads of the major and minor departments in which the candidate is working at the University of North Carolina as to the candidate's fitness to carry on such advanced work as may be required for the degree. In case a student lacks certain elementary courses in

either the major or the minor department, such courses will be indicated on the departmental certificate, and will become prerequisite courses without graduate credit.

It should be noted that this distinction between admission to the Graduate School and admission to candidacy for a degree does not necessarily involve any extension of the time required for the degree. Properly qualified students will register at once, with the approval of the departments interested, for such advanced courses as they wish to take, and all advanced courses completed according to the rules for graduate work will be credited towards the degree.

EXPENSES

See page 77.

UNIVERSITY TEACHING FELLOWSHIPS

Twenty-four Teaching Fellowships, each with a stipend of \$500, are available to graduate students. These Fellowships carry free tuition, and are payable in nine monthly instalments, beginning October 15th of the year for which they are awarded. Holders of these Fellowships are expected to perform certain limited services as teachers or laboratory assistants in the department to which they are assigned. This department must be the major department of graduate study, and each holder of a Fellowship will be required to pursue advanced courses in the department during his term as Fellow. Unless permission is given by special vote of the Administrative Board, no Fellow is permitted, during the term of his incumbency, to do other work for pay or to hold any other position to which a stipend is attached.

Fellowships are awarded only to men who present satisfactory records as students and who give promise of being able to carry on advanced work with distinction. Teaching experience is desirable, but is not required. The time required for the Master's degree may be extended in the case of men who hold Fellowships; ordinarily such men will not find it possible to register for more than two-thirds of the program ordinarily carried by graduate students.

Correspondence in regard to the Teaching Fellowships may be addressed to the Dean or to the head of the department in which the candidate proposes to do his major work. A special form of application, to be secured from the Dean's office, must be filed on or before April 1st. Elections to Fellowships will be made by the Administrative Board of the Graduate School, on nomination by the department to which the Fellowship is to be assigned.

GENERAL REGULATIONS

The unit of work is the course, by which is meant, as a rule, a class meeting five times a week. Half courses are also offered. In some courses open only to graduate students, such as the seminars and other research courses, the formal class exercises are modified. But all such work is credited in terms of courses and half courses.

Students are ordinarily expected to register for three courses. But two half courses may be substituted for a full course. Not more than three courses, or fifteen hours of class attendance, will be permitted. Students of more than one year's standing, candidates for the doctor's degree, are permitted greater latitude with reference to courses for which formal registration is required. Such considerations as the amount of time devoted to research, to work on the doctoral dissertation, and the like, weigh in the estimate of what constitutes full work. But in all such cases detailed reports by the Department are required before residence credit is given.

Graduate students who desire credit for attendance at the Summer Session must register at the office of the Dean. The rules respecting admission to candidacy for higher degrees, for selection and approval of courses, and for the higher degrees, are the same in their application to Summer Session students as in the case of students registered for the regular sessions.

Teachers of experience whose credentials and work are satisfactory to the Administrative Board may complete the requirements for the Master's degrees in four summer sessions. Such students will be expected to continue their studies during the year under direction of the special com-

mittee in charge of their work, and may do part of the work required for their thesis in this manner. Every such case is treated individually, and must be approved by the Administrative Board, on recommendation of the Department, at the time application is made for admission to candidacy for a higher degree. Students who are not admitted under these special conditions will find five summers necessary for completion of the requirements for the Master's degree.

Only work announced as open for graduate credit in this Catalogue or in the Bulletin of the Summer Session may be counted toward the higher degrees.

Work done *in absentia* will not be counted for graduate credit, except that in certain cases approved by the Department and by the Administrative Board, part of the work on the thesis for a higher degree may be done elsewhere, and except, further, that part of the work required for the degree of Doctor of Philosophy, may, on the recommendation of the major department and with the approval of the Administrative Board, be done at another University. But all such work, even when credited, is subject to examination at the finals required for the degree.

Graduate students are subject to the same rules regarding attendance upon classes, faithfulness to assigned tasks, examinations, and credit as students in other departments of the University. But graduate work pre-supposes a greater amount of time for research in the library or the laboratory, and the student, being more mature, is thrown more upon his own responsibility. For these reasons excessive registration is not permitted. The whole idea of graduate work is comprised in a more intense specialization and, therefore, more complete investigation than is necessary or wise in undergraduate instruction.

Each graduate student works under the direction of a special committee which consists usually of the head of the major department, or of some member of the staff of that department under whom the candidate is doing special work, who serves as chairman, and the other instructors with whom the candidate is registered.

No work falling below the standard represented by the grade of "C" is counted for graduate credit. At least half the work credited for any one year of residence must be of grade "B," or better.

THE GRADUATE DEGREES

The degrees under the supervision of the Graduate Faculty are Master of Arts (A.M.), Master of Science (S.M.), and Doctor of Philosophy (Ph.D.). For a complete statement of the requirements for these degrees reference must be made to the special Catalogue of the Graduate School, published in February of each year.

THE DEGREE OF MASTER OF ARTS

For the degree of Master of Arts the general prerequisite is the completion of a course leading to the degree of Bachelor of Arts in a college or university of standard grade. This course should have included special study in the department in which the graduate degree is sought sufficient in extent to constitute a proper preparation for advanced work. If the undergraduate preparation has been insufficient certain preliminary courses may be required before the student is admitted to candidacy for the degree.

Nine full courses of advanced character are usually required for the Master's degree. To complete these courses as least one full year's residence is required. No course will be counted for the degree unless it appears in the Graduate Bulletin, catalogue number, or is approved by the Administrative Board. Of the nine courses offered, six must be from one department recognized as the major, but with the approval of the special advisory committee and of the Administrative Board closely allied work in another department may be accepted as a part of the major. More than six courses in one department may not be counted except under special conditions approved by the Administrative Board.

The remaining three courses, constituting the minor, are to be chosen from a department different from the major. But the relation of the minor to the major must be such as to constitute a clearly unified program.

Ordinarily a reading knowledge of at least one modern foreign language is expected of candidates for the degree.

Besides the completion of advanced courses that constitute a unified plan of study, the fitness of the student for the degree is tested in two ways: by a thesis and by oral and written final examinations. The thesis tests the candidate's knowledge of the method of investigation and his ability to make use of the knowledge he has acquired. The examinations test his knowledge of his special field by directing attention to the field as a whole, as contrasted with the course, which deals only with a limited portion of the field.

The subject chosen for the thesis should be approved by the advisory committee and reported to the Administrative Board by the end of the first quarter of residence. No change in subject, or deferring of the time of approval, will be permitted unless at least two quarters of residence intervene between the approval of the subject and the conferring of the degree, except that, with the permission of the Administrative Board, the thesis may be completed by a student not in residence who has satisfied the requirements as to courses.

For details concerning the character of the thesis, the form in which it is to be presented, and concerning the examinations for the degree, the student is referred to the catalogue number of the Graduate Bulletin.

THE DEGREE OF MASTER OF SCIENCE

The subjects of major study may be Chemistry, Electrical Engineering, Civil Engineering, or Geology, and the prerequisite courses are the courses leading to the degrees: S.B. in Chemistry, S.B. in Electrical Engineering, S.B. in Civil Engineering, and S.B. in Geology respectively. Before becoming a candidate for a Master's degree the student must complete the courses leading to the bachelor's degree as outlined in the general catalogue.

Courses Leading to the Degree of Master of Science**I. MASTER OF SCIENCE IN CHEMISTRY**

One of the groups: Chemistry 127-128-129
 Chemistry 177-178-179
 Chemistry 197-198-199

Two of the groups: Chemistry 114-115-116
 Chemistry 124-125-126
 Chemistry 174-175-176
 Chemistry 194-195-196

Three approved courses from one of the following departments:

Electrical Engineering
Geology
Mathematics
Physics

II. MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Electrical Engineering 100-101-102
Electrical Engineering 110-111-112

Three approved courses from one of the following departments:

Civil Engineering
Chemistry
Geology
Physics

III. MASTER OF SCIENCE IN CIVIL ENGINEERING

Civil Engineering 100a-100b-100c
Civil Engineering 103a-103b-103c
Civil Engineering 106a-106b-106c
Civil Engineering 107a-107b-107c

One of these groups to be selected as a major.

Approved courses in the following departments; the arrangement and number of courses to be decided upon after conference with the Department of Civil Engineering.

Mechanical and Electrical Engineering
Chemistry
Geology
Mathematics
Physics

IV. MASTER OF SCIENCE IN GEOLOGY

Geology 104-105-106
Geology 107-108-109

Three approved courses in the following departments:

Chemistry
Civil Engineering
Botany and Zoology

Other Requirements

The requirements regarding modern language, thesis, examinations, committee, residence, and conferring of degrees are the same as for Masters of Arts.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred only upon those who have completed, with high distinction, a period of extended study and investigation in a single field of learning during which they have gained control of the materials in the chosen field, have mastered the method of advanced study, and have illustrated this method through a dissertation, the result of independent research, which adds to the sum of human knowledge or presents results that have enduring value. Neither the accumulation of facts, however great in amount, nor the completion of advanced courses, however numerous, can be substituted for this power of independent investigation and the proofs of its possession. While it is true that a well prepared student of good ability may secure the degree upon the completion of three years of study, it should be understood that this time requirement is wholly secondary to other considerations that will be explained in the following paragraphs.

Admission and Registration

The rules for admission to courses leading to the degree of Doctor of Philosophy and for registration for courses in the first year of residence are the same as those stated above in the section on the degree of Master of Arts. The work for the first year is substantially the same as that provided for candidates for the Master's degree, and while it is not necessary to take the Master's degree it is usually advisable. The provisions for choice of major and minor subjects, and for the direction of the student's work by a special committee, are as already set forth under the requirements for the Master's degree.

Second and Third Years

Not later than the beginning of the second year's work a tentative program of study must be approved by the special

committee and by the Administrative Board. During the second year this program may consist chiefly of advanced courses in both major and minor fields. The minor should be completed during this year. A reading knowledge of French and German, to be certified by the respective departments, is essential to the work of the second year, and in the case of certain subjects other language requirements may be imposed by the special committee. During the second year, also, work on the dissertation should be begun.

Not earlier than the end of the second year, and at least one academic year prior to the Commencement at which the degree is expected, a preliminary oral examination shall be given by the special advisory committee in charge of the candidate's work plus all members of the staff of the major and minor departments. This examination shall cover all the work of the two years. As a rule, no student will be admitted to candidacy for the doctorate until this examination has been passed.

The work of the third year requires no special registration in courses, though the candidate will find it advisable to attend certain courses as a lecture student. The major portion of the time is to be spent upon the dissertation or upon special laboratory or research work, and in preparation for the final examinations. A portion of the second and third years may be spent in residence at another university. In some departments such residence is required, the university being chosen according to the student's need for special courses in the field of his dissertation, or for the library or laboratory facilities it offers. Instead of work in another university, work in a large library or in some special laboratory may be substituted at the discretion of the student and his advisory committee.

The Dissertation

The subject chosen for the dissertation must be approved by the committee and by the Administrative Board not later than the time of the preliminary examinations. But work upon it, such as preliminary bibliography and the collection of material, should be begun earlier than this. The disserta-

tion is the fruit of thorough investigation of a definite problem and finds its value in the scholarly and workmanlike manner in which it is presented, in its contribution to learning, and in the mental power which it displays. By "contribution to learning" is understood not necessarily the discovery of something previously unknown but the presentation of the results of the investigation of a worth while problem in such a way as to merit the claim of originality.

The dissertation must be presented, in three typewritten copies, at least six weeks before the Commencement at which the candidate expects his degree. It must comply with the rules for form of theses prescribed by the Administrative Board, and abstracts must be supplied as under the rules for Master's theses. A thesis committee, appointed by the Dean, shall examine the dissertation, and no dissertation shall be accepted unless it secures the unanimous vote of the committee.

Publication of the dissertation, except by abstract in the Graduate Bulletin, is not required. But the various journals published by the University afford opportunity for such publication, in whole or part.

The Examinations

Reference has already been made to the preliminary examination required for admission to candidacy for the doctorate.

At least four weeks before the end of the period of study a written examination in the major subject must be passed by the candidate. This examination, which is conducted under the direction of the major department, may be limited to the courses taken by the candidate, but as a rule it is based upon the entire field of knowledge represented by the major.

The final oral examination must take place at least two weeks before the Commencement at which the student is a candidate for the degree. The committee to have charge of this examination is appointed by the Dean, and includes the head of the major department or his representative as chairman, with other members of the major and minor depart-

ments as assistants. The date and place of the examination shall be publicly announced, and the examination shall be open to any member of the Graduate Faculty.

FACILITIES FOR RESEARCH

Statements concerning the libraries of the University and concerning laboratory facilities will be found elsewhere in the Catalogue. The University publishes three journals of research, all of them firmly established and widely known. *The Elisha Mitchell Journal*, now in its thirty-eighth volume, has published a very large number of scientific papers, particularly in chemistry, botany, and zoology. The *James Sprunt Historical Monographs*, of which seventeen volumes have appeared, are devoted to the results of historical studies, chiefly relating to North Carolina. *Studies in Philology*, a quarterly journal, now in its twentieth volume, originally was devoted to the publication of monographs by members of the language departments of the University, but is now conducted on the same lines as *Modern Philology*, *Modern Language Notes*, *The Classical Journal*, and other journals of research, printing contributions by the foremost American scholars. *The Journal of Social Forces* and the *North Carolina Law Review* have recently been established as journals of research in the two fields represented by their titles.

Several departments maintain their own clubs for the purpose of stimulating interest in research. Of wider appeal are such organizations as the Elisha Mitchell Scientific Society, founded in 1883, and the Philological Club, founded and maintained by the language departments of the University. To these organizations graduate students are admitted. There is also a Graduate Club, composed of students and members of the Graduate Faculty, which holds monthly meetings for the purpose of stimulating interest in the method of research in general and in the relation of fields of investigation to each other.

A *Bulletin of Research in Progress* is issued annually by the Graduate School, and contains abstracts of publications by members of the faculty, abstracts of theses presented for advanced degrees, and reports of investigations under way in the various departments.

FURTHER INFORMATION

Inquiries as to advanced work in special departments may be addressed to the heads of departments in which the student is interested. Inquiries relating to graduate work in general, admission, credits, requirements for degrees, requests for bulletins, and the like, should be addressed to the Dean of the Graduate School.

THE SCHOOL OF LAW

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

LUCIUS POLK McGEHEE, A.B., *Dean.*

SPECIAL STAFF

LUCIUS POLK McGEHEE, A.B., *Professor of Law.*

PATRICK HENRY WINSTON, *Professor of Law.*

ATWELL CAMPBELL McINTOSH, A.M., *Professor of Law.*

MAURICE TAYLOR VAN HECKE, Ph.B., J.D., *Associate Professor of Law.*

ROBERT HASLEY WETTACH, A.M., LL.B., S.J.D., *Assistant Professor of Law.*

HISTORICAL SKETCH

The law school, which developed into the Law School of the University, was founded in 1843 at Chapel Hill as a private school by William H. Battle, then a judge of the Superior Court, later a justice of the Supreme Court of the State. In 1845 Judge Battle was made Professor of Law in the University, and it was provided that the degree of Bachelor of Laws should be conferred on those completing the prescribed two-year course. From the records of the University, however, it seems that few degrees were actually conferred. For a long time the school maintained a certain independence of the University. The Professor of Law received no salary, though he enjoyed the fees from his classes, and the students were not entirely subject to the discipline of the University.

This was the position of the school from its formation until 1899, a period which covered the professorship of Judge Battle who retired in 1879, two years when the law classes were conducted by Hon. Kemp P. Battle, then President of the University, and the professorship of Dr. John Manning, elected 1881, died 1899. In 1899 the school was completely incorporated into the University, with the late Judge James C. MacRae, previously a justice of the Supreme Court of North Carolina, as the first Dean of the Law School.

REQUIREMENTS FOR ADMISSION

See pages 63-68.

EXPENSES

See page 77.

REQUIREMENTS FOR GRADUATION

For the Degree of LL.B.

The degree of LL.B. is conferred on students who having satisfied the entrance requirements of candidates for the degree complete satisfactorily the three years course of study on pages 204-206.

For the Combined Degrees of A.B. and LL.B.

The University offers the combined degrees of A.B. and LL.B. to students who have complied with the following requirements:

The courses in the College of Liberal Arts outlined below; all academic work to be completed before matriculation in the School of Law; the completion of all courses in the School of Law for the degree of LL.B.

Students taking this combined course will be enabled to get the two degrees in six instead of seven years.

Prescribed courses in the College of Liberal Arts for the combined degree:

FIRST YEAR		SECOND YEAR	THIRD YEAR
Eng. 1		Eng. 3-4.	Econ. 1-2
Math. 1-2		Lat. 3-4	Psychology 1-2
Lat. 1-2		Hist. 3-4	Eng. 2 courses
Hist. 1-2		Select one {	History and Govt.
Select one {	Greek 3-4		2 courses
	French 3-4		Elective 1 course
	Ger. 3-4	Select one {	
		Math. 3-4	
		Phys. 1-2	
		Chem. 1-2	

REGULARITY OF ATTENDANCE ON CLASSES—ABSENCES

Students are required to be regular in attendance on all courses for which they are registered. A failure in regular attendance may prevent his receiving credit for the course. Students must report weekly at the office of the Dean on all

absences. All unexcused absences must be explained to the satisfaction of the instructor teaching a course before the student will be admitted to the examination on the course.

NUMBER OF HOURS OF WORK REQUIRED AND PERMITTED

Students are not permitted to take more than fifteen hours of work weekly except with the special permission of the Faculty, granted only for good cause.

No student taking less than ten hours weekly will be considered as studying law within the rule of the Supreme Court requiring two years of study of law as a necessary preliminary of applicants for license to practice in North Carolina.

DIVISIONS OF ACADEMIC YEAR: DATES

Work in the School is divided into two semesters instead of into three quarters. The first semester begins at the same time as the fall quarter of the College of Liberal Arts, and ends on the Saturday before the second Monday in February. The second semester begins on the second Monday in February and ends at the same time as the third quarter of the College of Liberal Arts.

COURSES AND METHODS OF INSTRUCTION

The courses offered and the general order in which it is advisable that they should be presented is indicated in the Program of Studies given below. Subjects required for the State Bar examination and not included in the first or second year courses outlined below may be taken in the summer school either after the first or second year. The instruction is mainly by study of cases and quizzes in connection therewith but some courses are given in lectures or in connection with text books.

PROGRAM OF STUDIES

Synopsis of Courses

FIRST YEAR

	First Semester	Second Semester
Contracts	3*	3
Torts	3	2
Property I	3	3
Civil Procedure I	2	2

* Number of hours a week.

Criminal Law	3	-
Legal Bibliography	1	-
Equity I	-	2
Agency	-	3

SECOND YEAR

Property II	2	2
Equity II	2	2
Civil Procedure II	2	2
Evidence	2	2
Negotiable Instruments	3	-
Persons	3	-
Practice (drawing deeds, agree- ments)	1	-
Sales	-	3
Wills and Administration	-	3
Practice (Forms under Code)..	-	1

THIRD YEAR

Constitutional Law	2	3
Private Corporations	2	2
Administrative Law	3	-
Insurance	3	-
Partnership	} 3	-
or		
Mortgages and Suretyship	} 2	-
Federal Courts		
or		
Bankruptcy	} -	3
Conflict of Laws		
Trusts	-	2
Public Service Corporations ...	} -	3
or		
Statutes	} -	2
Municipal Corporations		
or		
Damages	} -	2

First Year

CONTRACTS: Three hours, both semesters. Costigan's *Cases on Contracts*. Professor McIntosh.

TORTS: Three hours, fall semester, two hours, spring semester. Burdick's *Case on Torts*. Professor Winston.

PROPERTY I: Three hours, both semesters. Warren's *Cases on Property*. Professor McGehee.

CIVIL PROCEDURE I: Two hours, both semesters. The principles of civil procedure at common law with references to modern statutory modifications, followed by an outline of equity pleading, as an introduction to Civil Procedure II. Scott's *Cases on Civil Procedure*; Rush's *Equity Pleading*. Professor McIntosh.

CRIMINAL LAW: Three hours, fall semester. Includes outline of criminal procedure. Derby's *Cases on Criminal Law*. Professor Wettach.

AGENCY: Three hours, spring semester. Reinhard's *Cases on Agency*. Professor Wettach.

EQUITY JURISPRUDENCE I: Two hours, spring semester. General principles and maxims, injunctions against torts. Clark's *Cases on Equity, Part I*. Professor Winston.

LEGAL BIBLIOGRAPHY: One hour, fall semester. Introduction to knowledge and use of law books. Professor Van Hecke.

Second Year

PROPERTY II: Two hours, both semesters. Text to be selected. Professor McGehee.

EQUITY II: Two hours, both semesters. Clark's *Cases on Equity, Parts I and II*. Professor Van Hecke.

PROCEDURE II: Two hours, both semesters. Procedure under the Civil Procedure. N. C. Code of Civil Procedure; Text to be selected. Professor McIntosh.

EVIDENCE: Two hours, both semesters. Hinton's *Cases*. Professor Van Hecke.

NEGOTIABLE INSTRUMENTS: Three hours, fall semester. Colson's *Huffcut's Cases*. Professor Wettach.

SALES: Three hours, spring semesters. Williston's *Cases on Sales*, third edition. Professor Wettach.

PERSONS: Three hours, fall semester. Woodruff's *Cases on Persons and Domestic Relations*, third edition. Professor Wettach.

WILLS AND ADMINISTRATION: Three hours, spring semester. Making and construction of wills, administration of estates. Costigan's *Cases on Wills; N. C. Statutes*. Professor Winston.

PRACTICE: One hour a week for the year. The fall term is devoted to preparation of deeds and various agreements; the spring term to pleading and papers required in litigation. Professors McGehee and McIntosh.

Third Year

CONSTITUTIONAL LAW: Two hours, fall semester; three hours, spring semester. Hall's *Cases*. Professor McGehee.

PRIVATE CORPORATIONS: Two hours, both semesters. Warren's *Cases on Corporations*. Professor Van Hecke.

ADMINISTRATIVE LAW: Three hours, fall semester. Public officers, administrative officials, and boards; character and finality of their actions; remedies. Freund's *Cases in Administrative Law*. Professor McGehee.

INSURANCE: Three hours, fall semester. Richard's *Cases on Insurance*. Professor Winston.

PARTNERSHIP: Three hours, fall semester, 1923-1924 and alternate years. Gilmore's *Cases on Partnership*, third edition. Professor Winston.

MORTGAGES AND SURETYSHIP: Three hours, fall semester, 1924-1925 and alternate years. Kirchwey's *Cases*. Professor Winston.

FEDERAL COURTS: Two hours, fall semester, 1924-1925, and alternate years. Hughes' *Federal Procedure*. Professor McIntosh.

BANKRUPTCY: Two hours, fall semester, 1923-1924 and alternate years. Student's Remington. Professor McIntosh.

CONFLICT OF LAWS: Three hours, spring semester. Beale's *Cases on Conflict of Laws, Shorter Course*. Professor Wetach.

TRUSTS: Two hours, spring semester. Clark's *Cases on Trusts*. Professor Winston.

LEGISLATION: Three hours, spring semester, 1923-1924 and alternate years. Assigned Statutes, constitutional provisions, and cases. Professor Van Hecke.

PUBLIC SERVICE CORPORATIONS: Three hours, spring term, 1924-1925 and alternate years. Text to be selected. Professor Van Hecke.

MUNICIPAL CORPORATIONS: Two hours, spring term, 1923-1924 and alternate years. Macy's *Cases*. Professor McIntosh.

DAMAGES: Two hours, spring term 1924-1925 and alternate years. Mechem and Gilbert's *Cases on Damages*. Professor McIntosh.

THE NEW LAW BUILDING

During the spring of 1923, the Law School will move into the new law building, built from the appropriation provided for the University by the General Assembly of 1921. The new building will be a beautiful addition to the group of University buildings, and will be provided with ample accommodations for lecture halls, library and reading rooms.

THE NORTH CAROLINA LAW REVIEW

The North Carolina Law Review, issued quarterly, is published by the Law School. It is devoted to discussion of legal problems and new cases, especially those of interest to North Carolina lawyers. The opportunity afforded the more advanced students of the School, whose work is of high grade,

to take part in the preparation and management of the Review, should be of the greatest advantage to them and an incentive to the highest effort.

STUDENTS' LAW CLUBS

The students of the School of Law are organized into Law Clubs in which instructive voluntary practice is afforded in the preparation, argument and trial of legal questions, and in the use of legal authorities. Each member of the club is expected during the year to take part in several such trials in conformity with the programs of the clubs, which are standardized. This work is carried on with the coöperation of the Law Faculty.

ADDITIONAL OPPORTUNITIES OF UNIVERSITY LIFE

Students in the Law School may be admitted without additional expense to the courses given in the Departments of Economics, English, Philosophy, and History in the College of Liberal Arts, subject to the rules stated as to the number of hours which a student may take, and subject to the approval of the Dean of the School of Law. A student taking such a course must satisfy the entrance requirements for the course selected.

Students of the School may become members of the Dialectic and Philanthropic Literary Societies, where they may take part in or witness debates of a high order and train themselves in parliamentary law.

As students of the University, they enjoy all the privileges of the University library, the University gymnasium, and the organizations of the University generally, literary, social, and athletic.

PRIZES

THE LEGAL RESEARCH PRIZE, offered by The American Law Book Company, is awarded annually to the member of the Junior or Senior class who makes the highest average in the Legal Research Courses given in the Junior year in connection with the class in Practice and in the Senior year in connection with the class in Constitutional Law. This prize consists of a set of "Corpus Juris, so far as published, sup-

plemented by the Cyclopedia of Law and Procedure covering the as yet unpublished portions of Corpus Juris. The volumes of Corpus Juris will be supplied the winners of this prize as rapidly as they appear."

THE CALLAGHAN PRIZE IN LAW. A copy of the Cyclopedic Law Dictionary is offered by Callaghan and Co., Law Publishers, to that member of the Senior class each year who obtains the highest general average in his work for the year.

SUMMER LAW SCHOOL

A summer course in law is offered, beginning the day after Commencement and continuing to the end of the week preceding the Supreme Court examination for admission to the Bar in August. It is intended to provide a review of the course required by the Supreme Court of the State for applicants for license.

SESSION

The term for the summer of 1923 begins Thursday, June 14, and ends Friday, August 17, three days prior to the examination before the Supreme Court for admission to the Bar of North Carolina.

LECTURES AND RECITATIONS

At this session two daily lectures and recitations of one hour and a half each will be held by professors of the Law Faculty and competent instructors. In addition there will be frequent quizzes. The two courses offered are intended to cover the requirements for reading prescribed, given below, in the rules of the Supreme Court of North Carolina. The instruction is conducted by means of text-books, lectures, leading cases, and quizzes.

An outline of the work and of the time assigned to the various subjects is approximately as follows:

Domestic Relations (6 lectures); Contracts and related topics (18 lectures); Torts and related topics (10 lectures); Corporations (8 lectures); Evidence (6 lectures); Pleading and The Code (10 lectures); Criminal Law (6 lectures); Property, real and personal (22 lectures); Executors and Administrators (6 lectures); Equity (10 lectures); Constitutional Law (9 lectures); Legal Ethics (1 lecture).

The text-books used will be, as far as possible, those used at the regular session of the school, but any standard text-book on any of these subjects will be accepted.

EXAMINATIONS

No entrance examination is required; but each student must satisfy the faculty that he has sufficient general education to enable him to take the course with profit to himself. Examinations are required as each subject is completed, and at the end of the term certificates to that effect are issued to such students as have passed with credit all examinations in both courses. These certificates will not entitle the recipients to any credit in the work of the regular school.

FEES AND EXPENSES

Tuition for term.....	\$30.00
Registration and Incidental Fees....	5.00

The above mentioned fees cover privileges of the University library, gymnasium, and baths. Board in the village, with room, will cost from \$25.00 to \$37.50 a month; without room, from \$20.00 to \$30.00.

For further information address the President of the University or the Dean of the School of Law, Chapel Hill, N. C.

THE SCHOOL OF MEDICINE

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

ISAAC HALL MANNING, M.D., *Dean.*

SPECIAL STAFF

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Anatomy.*

ISAAC HALL MANNING, M.D., *Professor of Physiology.*

WILLIAM DEBERNIERE MACNIDER, M.D., *Kenan Professor of Pharmacology.*

JAMES BELL BULLITT, A.M., M.D., *Professor of Pathology.*

ROBERT BAKER LAWSON, M.D., *Associate Professor of Anatomy.*

WESLEY CRITZ GEORGE, A.B., Ph.D., *Associate Professor of Histology and Embryology.*

ROY BOWMAN MCKNIGHT, A.B., M.D., *Assistant Professor of Pharmacology.*

KEBLE BARNUM PERINE, S.B., *Instructor in Physiological Chemistry.*

ALVIN SAWYER WHEELER, Ph.D., *Professor of Organic Chemistry.*

JOHN GROVER BEARD, Ph.G., *Professor of Pharmacy.*

HISTORICAL SKETCH

The School of Medicine was established in 1879 under the direction of Dr. Thomas W. Harris. A course in theoretical and practical medicine, as was the custom at the time, was offered, but this plan was found impracticable and was abandoned in 1886. In 1890, however, a more orderly and logical arrangement of the subjects of the medical course had begun, and it became possible for a university, without clinical facilities, to offer instruction in the elementary subjects. Dr. Richard H. Whitehead was then elected Professor of Anatomy, and under his guidance the School was re-opened and has continued without interruption. In 1900, the medical course having been extended in the better class of schools to

four years, the subjects of the first two years were offered at the University. In 1902 a Clinical Department was established at Raleigh, but after several years of unsuccessful effort to provide for its proper support, it was abandoned. In 1908 the School was admitted to membership in the Association of American Medical Colleges, and is graded in the class A group by the American Medical Association.

REQUIREMENTS FOR ADMISSION

See pages 63-69.

EXPENSES

See page 77.

COURSES OFFERED

The following courses are offered :

1. A Premedical Course of Two College Years. This course is arranged to provide the subjects and number of hours required for admission by a large number of medical schools. It is offered as a guide to those students beginning a preparation for the study of medicine who are unwilling or unable to take a more extensive collegiate course. See page 137.

2. A Combined Course Leading to the Degree of Bachelor of Science in Medicine. This is a combination course of three collegiate years including the subjects most fundamental in the preparation for the study of Medicine and the medical course of two years, on the completion of which the degree of Bachelor of Science in Medicine is granted. The student may, therefore, obtain a collegiate degree and the degree of Doctor of Medicine in seven years. It is recommended to those who find it impracticable to spend four years in collegiate work. See pages 133-134.

3. The Medical Course. The course leading to the degree of Doctor of Medicine consists regularly of four years in strictly medical subjects. The subjects are arranged naturally into two main groups: the so-called Laboratory and Clinical groups, and two years are given to each group. The medical course offered includes the subjects of the first group and occupies a period of two years. On completing this course, the student is prepared to begin the study of the

clinical subjects, and may enter the third year in other medical schools. Full credit is allowed in practically all medical schools.

THE MEDICAL COURSE

First Year

BIOLOGICAL CHEMISTRY: Six hours weekly, second and third quarters.

TOXICOLOGY: Six hours weekly, third quarter.

HISTOLOGY: Fifteen hours weekly, first quarter.

OSTEOLOGY AND ARTHROLOGY: Six hours weekly, first quarter.

GROSS ANATOMY: Thirty hours weekly, second quarter.

NEUROLOGY: Eight hours weekly, third quarter.

EMBRYOLOGY: Three hours weekly, first and third quarters.

APPLIED ANATOMY: Nine hours weekly, third quarter.

PHARMACY: Six hours weekly, first quarter.

Second Year

PHYSIOLOGY: Six hours weekly, first half; ten hours weekly, second half.

PHYSIOLOGICAL CHEMISTRY: Six hours weekly, first half.

BACTERIOLOGY: Nine hours weekly, first half.

PATHOLOGY: Ten hours weekly, first half; thirteen hours weekly, second half.

PHARMACOLOGY: Three hours weekly, first half; ten hours weekly, second half.

MINOR SURGERY AND PHYSICAL DIAGNOSIS: Four hours weekly, second half.

HYGIENE: One hour weekly, second half.

Summary of First and Second Years

<i>Subjects</i>	<i>Hours</i>
Chemistry (Biological)	180
Anatomy	780
Physiology	350
Bacteriology	135
Pathology	366

Pharmacology	210
Pharmacy	90
Minor Surgery and Physical Diagnosis....	60
Hygiene	15

EXAMINATIONS

Regular examinations on the first year subjects will be held during the examination periods of the College of Liberal Arts at the close of each quarter. In the second year the examinations will be held at the close of the year, except in Bacteriology, which is given at mid-term. Special examinations for the removal of conditions will be allowed during the week preceding the close of the third quarter and during registration week in September.

An examination will not be allowed a student who is charged with ten per cent of unexcused absences, or with absences amounting to twenty per cent of the total number of hours assigned the subject.

PROMOTIONS

If a student makes a grade of F, or fails on a second examination in any subject, he will be required to repeat the subject with the succeeding class. If a first year student fails on two subjects he will not be registered at the next session as a second year student, but as a special student, and he will be required to repeat all subjects of the first year in which his work has been unsatisfactory. He will be allowed to take only such subjects of the second year as will not conflict with such subjects of the first year as he may be repeating.

If a second year student makes a grade of E on any subject he will be allowed a second examination during the month of July. If he makes a grade of F on one of the major subjects, or a grade of E on two of the major subjects he will not be recommended for admission to the third year of any medical school. He may be readmitted to the succeeding second year class provided there is a vacancy and there is, in the judgment of the medical faculty, a reasonable hope of his doing creditable work.

A certificate will be granted to a student who completes satisfactorily the required preliminary work and the medical course. In the event of a failure to complete the work a statement indicating the subjects completed will be given. Credits will not be allowed for attendance only.

LABORATORIES

For description of the medical laboratories see page 51.

SCHOLARSHIPS

THE WOOD SCHOLARSHIP. (Established in 1895.) Mrs. Mary Sprunt Wood, of Wilmington, has founded a scholarship in memory of her husband, the late Dr. Thomas Fanning Wood.

COURSES OF INSTRUCTION

Chemistry

73. TOXICOLOGY.

PROFESSOR WHEELER AND *Six hours a week.*

MR. PERINE. *Spring Quarter.*

Prerequisites, Chemistry 61-62.

The chemical behavior of poisons and their separation from foods and animal tissues.

Anatomy

The courses include gross and microscopic anatomy, embryology, the topography of the body, the application and relation of anatomy to medicine and surgery, and the anatomy of the Central Nervous system and the organs of Special Sense.

Ample facilities are offered to any who may desire to pursue advanced work in the field of Anatomy.

1. OSTEOLOGY AND ARTHROLOGY.

PROFESSOR MANGUM. *Six hours a week.*

Fall Quarter.

Detailed study of the skeleton, each student being provided with a complete set of disarticulated bones which he is required to demonstrate and draw.

The joints are studied from prepared specimens.

2. GROSS ANATOMY.

PROFESSOR MANGUM. *Thirty hours a week.*

Winter Quarter.

The student makes a complete dissection of the human body under the constant supervision and direction of an instructor, who insists upon the use of the texts, guides, and atlases, and holds practical examinations upon the cadaver. Laboratory talks, demonstrations, and conferences take the place of lectures.

Texts: Cunningham, Gray, Piersol.

3. GENERAL HISTOLOGY AND ORGANOLOGY.

PROFESSOR GEORGE.

Fifteen hours a week.

Fall Quarter.

This course includes: (a) study of the fundamental tissues, followed by (b) the study of the microscopic structures of the various organs. Lectures, demonstrations, and laboratory.

Text: Jordan.

4. CYTOLOGY AND HISTOGENESIS.

PROFESSOR GEORGE.

Those who have completed course 2 or its equivalent will be offered an opportunity to pursue further work in Cytology and Histogenesis. Arrangement for this course may be made with the instructor.

5. EMBRYOLOGY.

PROFESSOR GEORGE.

Three hours a week—Fall Quarter.

Three hours a week—Spring Quarter.

(a) Lectures and laboratory study of the early processes in the formation of the vertebrate body.

(b) Lectures, demonstrations, and laboratory study of mammalian embryos.

Text: Prentiss-Arey.

6. CENTRAL NERVOUS SYSTEM AND ORGANS OF SPECIAL SENSE.

PROFESSOR MANGUM.

Eight hours a week.

Spring Quarter.

A special laboratory study of the gross and microscopic anatomy of the cord and encephalon. Each student is provided with numerous prepared dissections of the human brain and a series of sections through the cord of the brain stem, which he studies with the aid of a guide. A human brain is then given to each group of four men and by them dissected in order to correlate and systematize the work already done. A practical examination tests the student's ability to locate the various tracts and nuclei.

7. APPLIED ANATOMY.

PROFESSOR LAWSON.

Nine hours a week.

Spring Quarter.

Embraces the external markings and surface anatomy of the organs (viscera, vessels, nerves, etc.), their location and inter-rela-

tionships; topographical landmarks (normal and abnormal); incisions to reach arteries and nerves; influence of muscles upon fractures and luxations; and many other practical facts which may serve as aids to diagnosis and treatment. Instruction is by lectures and demonstrations upon the cadaver. Special dissections, preparations, models, and numerous drawings by the students are used as aids in this course.

Text: Davis.

MINOR SURGERY.

PROFESSOR LAWSON.

Four hours a week.

Spring Term (1st half).

Lectures and Laboratory: The lecture course will cover the method of the treatment of wounds, the dislocations, fractures, and some of the more common surgical conditions. In the laboratory the student is taught bandaging, and will be given an opportunity to practice some of the amputations and resections of joints on the cadaver.

Text: Wharton.

PHYSICAL DIAGNOSIS.

PROFESSOR LAWSON.

Four hours a week.

Spring Term (2nd half).

Lectures and Laboratory: A brief course in the methods of physical examination, largely of the normal person. As far as possible, abnormal heart and lung cases will be submitted for examination.

Text: DaCosta.

Pharmacy

8. PHARMACY FOR MEDICAL STUDENTS.

PROFESSOR BEARD.

Six hours a week.

Fall Quarter.

This course in pharmacy will consist of two lectures supplemented by two laboratory periods each week. Beginning with a consideration of the metric system as applied to writing prescriptions and preparing formulæ, the course will embrace successively medical arithmetic, prescription writing, official galenical and magistral preparations with their doses, cellulose and its compounds, carbohydrates, coal and wood tar products, resins, gums, esters, volatile oils, alkaloids, animal drugs, and, lastly, solubility and incompatibility. The student will be required to make the preparations commonly prescribed, in order that he may be acquainted with their nature and composition. In addition, he must demonstrate the various forms of incompatibility liable to occur in prescriptions.

Text-book: *United States Pharmacopeia.*

Physiology

PHYSIOLOGY.

PROFESSOR MANNING AND MR. PERINE.

The course in Physiology is given in three parts, as follows:

1. General Physiology: a lecture course of five hours a week extending through the year; a brief account of cell physiology is followed by a detailed discussion of the facts and theories of Human Physiology; attention is called to the application of physiology in medical practice as far as possible.

Text: Howell.

2. Physiological Chemistry: a laboratory course of six hours a week during the fall term. The purely chemical aspects of Biochemistry are considered in the course in Organic Chemistry (Chem. 71-72) given in the first year. In the course in Physiological Chemistry a practical application of the principles of Biochemistry is made in the study of Human Physiology. The chemistry of digestion, of the secretions, of blood, and of the urine is studied in detail, qualitatively and quantitatively, and such tissues are examined as will afford evidence of the course of metabolic processes. Laboratory Notes.

References: Matthews, Hawk.

3. Experimental Physiology: a laboratory course of five hours a week during the spring term. In this course the student studies the heart and neuro-muscular systems on the turtle and the frog; the circulatory, respiratory, and glandular systems on the mammal. In the former the class is divided into groups of two and in the latter into groups of four. Each group is supplied with mimeographed directions for the performance of each experiment and a full equipment of apparatus, and each student is required to keep a record of the observations, including tracings.

References: Stewart, Porter, Hill, etc.

Materia Medica and Pharmacology

1. PHARMACOLOGY.

PROFESSORS MACNIDER,
BEARD AND MCKNIGHT.

Three hours a week—Fall Term.
Fifteen hours a week—Spring Term.

1. Materia Medica. The preliminary study of drugs is given as a part of the course in Pharmacy by Professor Beard throughout the fall quarter of the first year in medicine. The student is required to learn the various preparations of the more important drugs, their dose, and chemical incompatibilities. Each student makes representative preparations of the different drugs.

2. Pharmacology. The course in Pharmacology extends throughout the second year of the medical curriculum. The character of the work permits a division of the course into three parts: (a) A

consideration of the ways in which drugs may affect the organism. This introduction embraces a discussion of the various physico-chemical forces influencing drug activity, and the modification of the action of these conditions in different pathological states of the organism, such, for instance, as febrile conditions and various metabolic disturbances. (b) A general study of the pharmacology of the important drugs. The drugs are considered in groups depending upon their predominant effect in the body. The student learns the preparation, their dose, physiological incompatibilities, and considers in detail the way in which the drugs act as pharmacological agents. The symptoms and treatment of poisoning are considered following the discussion of the pharmacology of the group. (c) A consideration of the pharmacology of drugs in the pathological animal, with a discussion of the modification of drug activity in various pathological states. In conjunction with this study emphasis is given to the use of drugs as therapeutic agents and a study is made employing such remedies as are indicated in the form of a prescription. Students are required to write prescriptions, which are then subjected to the criticism of various members of the class and the instructor.

3. Pharmacodynamics. This part of the general course in pharmacology consists in a careful and accurate study of the action of practically all of the more important drugs on the lower animals. For this work, the higher animals, such as the cat and dog, are chiefly used. The class is divided into groups of two or four, and the experimental work is conducted by the student. Each student is required to hand in to the instructor at the completion of the course a laboratory notebook containing a detailed account of each experiment, an explanation of the results obtained, and the tracings made during the experiment. Oral and written recitations are frequently held.

Text: Sollmann. Reference: Cushny; Meyer and Gottlieb, *Pharmacology, Experimental and Clinical*; Jackson, *Experimental Pharmacology*.

2. ADVANCED PHARMACOLOGY.

PROFESSOR MACNIDER AND MCKNIGHT.

Two types of courses will be offered: (a) an experimental study of the action of various drugs upon the normal animal; (b) an experimental study of the action of various drugs and other agents upon the pathological animal.

Bacteriology and Pathology

BACTERIOLOGY.

Nine hours a week—Fall Term.

PROFESSOR

The first four to six weeks are devoted to the fundamental principles of bacteriology. The student prepares the various culture

media in common use, practices the more useful methods of staining, cultivates (from stock cultures) and describes several of the saprophytic, non-pathogenic forms, and isolates from pure culture, identifies and describes several organisms from air, water, earth or feces. The rest of the course is devoted to pathogenic bacteria. The lectures cover all the more important disease-producing organisms, while in the laboratory the student cultivates and studies several members of each group that may be readily grown. Numerous inoculation experiments are made and through tissues from these autopsies the attempt is made to coördinate the course in Bacteriology with that in Pathology. In the latter part of the course a brief consideration is given to the examination of water and milk.

Texts: Hiss and Zinsser, Hineman's *Laboratory Guide*.

PATHOLOGY.

PROFESSOR BULLITT.

Ten hours a week—Fall Term.

Thirteen hours a week—Spring Term.

This course embraces a consideration of General and Special Pathology from the chemical and physiological as well as the morphological aspects. Lectures and recitations are combined with laboratory work in a study of both gross and microscopical preparations.

In this work carefully selected loan sections form the basis for the study, but especial attention is paid to the experimental production, in laboratory animals, of the various common lesions due to mechanical, chemical, and bacterial agents. Under the guidance of the instructor the student produces these lesions and prepares his own specimens therefrom.

Text: MacCallum, Mallory.

HYGIENE.

PROFESSOR BULLITT.

One hour a week.

Spring Term.

A short course in the elementary principles of Hygiene and Sanitation.

Text: Rosenau.

SCHEDULE OF CLASSES

FIRST YEAR

FIRST QUARTER	Anatomy 8:30 Every day	Histology 9:20-12:40 Every day except Sat.	Embryology 9:20-12:40 Sat.	Pharmacy 2:30-4:30 Mon., Wed. 2:30-3:30. Tues., Thurs.	
SECOND QUARTER	Anatomy 8:30-12:40 Every day	Biochem. 2:30-4:30 Mon., Wed. 2:30-3:30 Tues., Thurs.			Biochem. 2:30-4:30 Mon., Wed., Fri.
THIRD QUARTER	Neurology 9:25-12:40 Mon., Fri. 2:30-4:30 Fri.	Embryology 9:25-12:40 Wed.	Applied Anat. 8:30 Every day 9:25-12:40 Sat.	Toxicology 2:30-4:30 Tues., Thurs.	

SECOND YEAR

FIRST HALF	Physiology 8:30 Every day	Physiological Chem. 2:30-4:30 Mon., Wed., Fri.	Bacteriology 9:25-12:40 Tues., Thurs., Sat.	Pathology 10:20-12:40 Mon., Wed., Fri. 2:30-4:30 Tues., Thurs.	Pharmacology 9:25 Mon., Wed., Fri.
SECOND HALF	Physiology 9:25 Every day ex- cept Sat. 10:20-1:30 2:30-4:30 Mon., Fri.	Pathology 10:20-1:30 Tues., Wed., Thurs. 8:30-12:40 Sat.	Pharmacology 8:30 Every day except Sat. 10:20-1:30 2:30-4:30 Mon., Fri.	Minor Surgery Physical Diag. 2:30-4:30 Tues., Thurs.	Hygiene 2:30-3:30 Wed.

THE SCHOOL OF PHARMACY

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

EDWARD VERNON HOWELL, A.B., Ph.G., *Dean.*

JOHN GROVER BEARD, Ph.G., *Secretary.*

SPECIAL STAFF

EDWARD VERNON HOWELL, A.B., Ph.G., *Professor of Pharmacy.*

JOHN GROVER BEARD, Ph.G., *Professor of Pharmacy.*

FRANCIS PRESTON VENABLE, Ph.D., Sc.D., LL.D., *Kenan Professor of Chemistry.*

WILLIAM DEBERNIERE MACNIDER, M.D., *Kenan Professor of Pharmacology.*

ALVIN SAWYER WHEELER, Ph.D., *Professor of Organic Chemistry.*

JAMES BELL BULLITT, AM., M.D., *Professor of Pathology.*

JAMES TALMAGE DOBBINS, Ph.D., *Associate Professor of Chemistry.*

FRANK CARL VILBRANDT, Ph.D., *Associate Professor of Industrial Chemistry.*

EDWARD VERNON KYSER, Ph.G., *Assistant Professor of Pharmacy.*

ROY BOWMAN MCKNIGHT, A.B., M.D., *Assistant Professor of Pharmacology.*

HENRY ROLAND TOTTEN, A.M., *Instructor in Botany.*

DINKER BAPUJI KIRTIKER, Ph.G., *Assistant in Pharmacy.*

JAMES EDWIN JOHNSON, *Assistant in Pharmacy.*

JACOB LEROY ALDERMAN, *Assistant in Pharmacy.*

HISTORICAL SKETCH

In 1880 Dr. Thomas W. Harris was instrumental in establishing a Pharmacy School at the University in connection with the School of Medicine. Dr. Harris was Professor of Anatomy, Materia Medica, and Pharmacy. The faculty of the new school consisted, in addition to Professor Harris, of Frederick W. Simonds, Professor of Botany and Physiology,

and Francis P. Venable, Professor of Chemistry. The course in pharmacy extended over two sessions of five months each, and led to the degree of Graduate in Pharmacy (Ph.G.). The school was continued until the resignation of Dr. Harris in 1886, when it was abandoned completely. In the fall of 1889 the school was revived by Dr. Richard H. Whitehead, but again its career was cut short.

In March of 1897 the present School of Pharmacy was established, and Edward Vernon Howell, A.B., Wake Forest College, and Ph.G., Philadelphia College of Pharmacy, was elected Professor of Pharmacy and given charge of the school. At that time the school occupied the ground floor of the New West Building, which had been provided with laboratories, lecture rooms, a herbarium, and a reading room. The first lectures, offered in September of 1897, pertained to practical and theoretical pharmacy, materia medica, physiology, physics, general and analytical chemistry, and botany. The course of study extends over two sessions of nine months each and leads, as did the courses in the initial school, to the degree of Graduate in Pharmacy (Ph.G.).

The school has gradually developed with respect to members of the faculty, equipment, apparatus, and attendance. In the summer of 1912 it was moved to Person Hall, a commodious well-lighted, well-ventilated building containing ten rooms. The pharmaceutical library has been made valuable by many historical and modern books on pharmacy and its allied branches and by bound volumes of proceedings and journals, either given by friends or purchased by the University. In 1914 two new courses in pharmacy were added to the curriculum; one, a three-year course, leads to the degree of Doctor of Pharmacy (P.D.); the other, also a three-year course, leads to the degree of Pharmaceutical Chemist (Ph.C.). In 1917 the school was admitted to membership in the American Conference of Pharmaceutical Faculties, an organization founded for the promotion of pharmaceutical education. Member-colleges, in order to retain their membership, must maintain certain entrance and graduation requirements and must in other ways follow out general practices as determined by the Conference.

REQUIREMENTS FOR ADMISSION

See pages 63-69.

EXPENSES

See page 77.

REQUIREMENTS FOR GRADUATION**For the Degree of Graduate in Pharmacy**

In order to be recommended for the degree of Graduate in Pharmacy the student must have completed the two-year course of study outlined on page 225. Work done in some other recognized school of pharmacy may be accepted for the first year of this course only.

He must obtain satisfactory marking in attendance, making a general average of 70 per cent in all courses, and submit a satisfactory thesis.

For the Degree of Doctor of Pharmacy

The degree of Doctor of Pharmacy is conferred upon graduates of this or some other recognized school of pharmacy on the completion here of an additional year of residence work. They must pursue advanced work as outlined on page 226, must present evidence of at least two years of practical drug store experience gained under a registered pharmacist, and must present a thesis embodying the results of an original investigation.

For the Degree of Pharmaceutical Chemist

The requirements for the degree of Pharmaceutical Chemist are the same as those for the degree of Doctor of Pharmacy, with the exception that no practical experience in a drug store is necessary as a prerequisite.

Drug Store Experience

The North Carolina Board of Pharmacy requires of candidates for license to practice pharmacy evidence of not less than forty-eight months of practical drug store experience. However, it allows the work done in the pharmaceutical laboratories to count in lieu of drug store experience, such credit to be limited to twenty-four months. Up to this limit the college work counts month for month.

COURSES LEADING TO THE DEGREE OF GRADUATE IN
PHARMACY

FIRST YEAR

Fall Quarter:

- Pharmacy 1 (5)*
- Botany 3 (6)
- Chemistry 1 (6)

Winter Quarter:

- Pharmacy 2 (5)
- Pharmacy 4 (4)
- Materia Medica 1 (5)
- Chemistry 2 (6)

Spring Quarter:

- Pharmacy 3 (5)
- Pharmacy 5 (4)
- Materia Medica 2 (5)
- Pharmacology 9 (3)

SECOND YEAR

Fall Quarter:

- Pharmacy 11 (5)
- Pharmacy 27 (3)
- Chemistry 35 (5)
- Pharmacology 10 (7)

Winter Quarter:

- Pharmacy 12 (5)
- Pharmacy 14 (4)
- Pharmacy 16 (3)
- Pharmacy 28 (3)

Spring Quarter:

- Pharmacy 13 (5)
- Pharmacy 15 (8)
- Pharmacy 29 (3)
- Research (5)

* Numbers in parenthesis indicate the hours devoted each week to the courses and are to be understood as credit hours and not clock hours.

THIRD YEAR

The work of the third year is largely chemical in nature carrying certain required and elective courses, the electives depending upon the particular field each student is preparing to enter. A minimum of three full courses must be pursued each quarter.

REQUIRED COURSES

Pharmacy 20-21-22

Chemistry 41-42

Chemistry 61-62

ELECTIVE COURSES

Chemistry 8

Chemistry 11-12-13

Chemistry 45-46

Chemistry 47

Bacteriology

COURSES OF INSTRUCTION

Pharmacy

1-2-3. THEORY AND PRACTICE OF PHARMACY.

PROFESSOR HOWELL.

Five hours a week.

First Year.

Fall, Winter, and Spring Quarters.

This course consists of lectures upon the following subjects, with practical demonstrations and the employment of proper apparatus whenever necessary: metrology, communication, heat evaporation, distillation, sublimation; fusion, calcination, granulation, oxidation, reduction, etc.; solution of solids, liquids, and gases; deliquescence, efflorescence, etc.; colation, filtration, decolorization, clarification, precipitation, etc.; maceration, expression, infusion, decoction, etc.; percolation, and study of the following: waters, syrups, honeys, glycerites, mucilages, mixtures, spirits, elixirs, liniments, collodions, tinctures, wines, vinegars, and fluidextracts. Text-book: Remington's *Theory and Practice of Pharmacy*.

4-5. OPERATIVE PHARMACY.

PROFESSOR KYSER AND

Six hours a week.

MESSRS. JOHNSON

Winter and Spring Quarters.

AND ALDERMAN.

Laboratory fee, \$7.50 a quarter.

First Year.

Corequisite, Pharmacy 1-2-3.

This course is designed to demonstrate the various operations outlined in Pharmacy 1-2-3, and to drill the student in the correct

preparation or manufacture of the galenicals and simple salts of the Pharmacopœia. He is required to make under the direction of the instructors, those preparations which enter into a prescription, and is taught the correct uses of the different apparatus required in a drug store.

Text-book: Remington's *Theory and Practice of Pharmacy*.

8. PHARMACY FOR MEDICAL STUDENTS. (See School of Medicine).

11-12-13 THEORY AND PRACTICE OF PHARMACY.

PROFESSOR HOWELL.

Five hours a week.

Second Year.

Fall, Winter, and Spring Quarters.

Prerequisite, Pharmacy 1-2-3.

The official forms and preparations of drugs are taken up in detail. Beginning with the inorganic compounds, the salts are considered with regard to their commercial qualities and pharmaceutical uses and preparations. The organic compounds are studied, commencing with the salts of the organic acids and passing to the natural and organic compounds.

14-15. OPERATIVE PHARMACY.

PROFESSOR BEARD AND

Six hours a week.

MR. KIRTIKER.

Winter and Spring Quarters.

Second Year.

Laboratory fee, \$10.00 a quarter.

Corequisite, Pharmacy

11-12-13.

A laboratory course, supplemented by preliminary lectures, that is concerned with the manufacture of the pharmacopœial drugs and chemicals, together with methods for determining their purity and strength, and also with prescription practices in general. The subject of incompatibility is fully dwelt upon, as are mechanical matters such as labeling and wrapping of containers, packages, etc.

16. URINARY ANALYSIS.

PROFESSOR BEARD.

Three hours a week.

Second Year.

Winter Quarter.

By means of laboratory work, supplemented by lectures, the student is drilled in making qualitative and quantitative analyses of urine. The phenomena of urine secretion and elimination and the physiological and pathological constituents of urine, with exhaustive tests for determining the presence or absence of these constituents, are fully dwelt upon. In addition, the student is taught to select and arrange the apparatus required to make urine analyses in the drug store.

Text-book: Hawks' *Physiological Chemistry*.

20-21-22. MANUFACTURING PHARMACY.

PROFESSOR KYSER.

Five hours a week.

Third Year.

Fall, Winter, and Spring Quarters.

Laboratory fee, \$5.00 a quarter.

Pharmacy 20 is concerned with the commercial manufacture of pharmaceuticals, chemicals, and specialties, i. e., tablet and pill coating, granulation, grinding, extraction, distilling, drying, finishing, etc. Plant location, construction, machinery. Raw materials, packages, marketing, order routing, standardization, laboratory control, and shipping are given consideration.

Pharmacy 21 deals with the source and method of obtaining perfumes and materials used in the manufacture of extracts, toilet waters, powders, creams, rouges, tooth preparations, soaps, skin treatments, etc. Attention will be given to trademarks, copyrights, packages, labels, marketing, and advertising.

Pharmacy 22 is a technical course in the methods of analysis of official crude drugs, preparations, and chemicals; the analysis of commercial products and toilet articles, tablets, pills, etc.

Each of these courses is supplemented with laboratory manufacture and chemical analysis. Text-book: *United States Pharmacopœia and standard reference books.*

27-28-29. COMMERCIAL PHARMACY.

PROFESSOR BEARD.

Three hours a week.

Second Year.

Fall, Winter, and Spring Quarters.

In presenting this practical course, the dominating motive is to train students to think in terms of drug store ownership rather than clerkship, and to think independently. The class is led progressively through the various phases of retail drug store operation, beginning with the location of a store site and ending with ten lectures on pharmaceutical jurisprudence by members of the Law School faculty. Each student is expected to subscribe for three leading drug journals and to purchase at least two reference books on retail store management.

Materia Medica and Pharmacology

1-2. MATERIA MEDICA.

PROFESSOR BEARD.

Winter and Spring Quarters.

First Year.

Five hours a week.

The individual drugs are considered from the standpoint of their origin, history, appearance, structure, active principles, chief medicinal properties, official preparations, and doses. These drugs are grouped and studied according to the families to which they belong. Later they are classified into the therapeutic groups, based on their action, i. e., whether they are stimulants, alteratives, irritants, astringents, etc. The subject is amply illustrated from the large collection of the School, which includes all the drugs of the Pharmacopœia, as well as many unofficial plant parts; by means of colored plates and pictures, and from the library, which contains a large number of valuable books on the subject.

Text-book: Culbreth's *Materia Medica.*

9. PHARMACOLOGY.

PROFESSORS MACNIDER AND McKNIGHT. *Lectures, three hours a week.
Spring Quarter.*

First Year.

A study of the functions of the normal human body and a consideration of how these functions are modified by the action of drugs. Laboratory experiments are conducted by the instructor to demonstrate the more important physiological reactions of the lower animals, frogs, turtles, and cats.

10. PHARMACOLOGY.

PROFESSORS MACNIDER AND McKNIGHT. *Lectures and Laboratory, seven
hours a week.*

Second Year. *Fall Quarter.*

Prerequisites, Materia *Laboratory fee, \$5.00.*

Medica 1-2, and Pharmacology 9.

This course is concerned with the physiological and therapeutic action of drugs both upon man and upon lower animals. Prior to this work the student has completed Materia Medica 1-2 which is concerned with a study of the physical and chemical properties of drugs, their preparations, dosage, and a brief statement of their effect. This course in Pharmacology is intended to amplify and give in a more detailed fashion an understanding of the way in which the drug acts in normal and in toxic quantities. A consideration of the biological standardization of drugs is also a part of this course.

Text-book: Bastedo's, *Materia Medica, Pharmacology, and Therapeutics.*

Bacteriology

BACTERIOLOGY.

PROFESSOR BULLITT. *Nine hours a week.*

Third Year Elective. *Fall Quarter.*

The student learns by practical experience the methods of cultivating, staining, and identifying the principal pathogenic bacteria; a few nonpathogenic and saprophytic forms are studied. The pathological significance of the various forms is explained by lectures, and the pathogenicity of some of the forms is determined by inoculation experiments performed by the class. At intervals during the course unknown organisms are given for identification. In addition to this, each student is required to isolate from the air, water, fecal matter, or pus, two organisms and determine their species. The latter part of the course is devoted to the bacteriological study of milk and water.

Text-book: Jordan. Reference: Park and McFarland.

Botany

3. PHARMACEUTICAL BOTANY.

MR. TOTTEN.

Six hours a week.

First Year.

*Fall Quarter.**Laboratory fee, \$4.00.*

An introduction to the structure and classification of plants with special attention to the drug plants; localizing of the mucilages, gums, oils, resins, glucosides, alkaloids, etc. Lectures with laboratory and field work.

Chemistry

1-2. GENERAL DESCRIPTIVE CHEMISTRY.

PROFESSOR VENABLE AND

Six hours a week.

ASSISTANTS.

Fall and Winter Quarters.

First Year.

Laboratory fee, \$4.00 a quarter.

35. ANALYTICAL CHEMISTRY. QUALITATIVE AND QUANTITATIVE ANALYSIS.

PROFESSOR DOBBINS AND

Five hours a week.

ASSISTANT.

Fall Quarter.

Second Year.

Laboratory fee, \$10.00.

Prerequisite, Chemistry 1-2.

Laboratory work and lectures.

41. ELEMENTARY QUANTITATIVE ANALYSIS.

PROFESSOR DOBBINS AND

Five hours a week.

ASSISTANT.

Fall Quarter.

Third Year.

Laboratory fee, \$10.00.

Prerequisites, Chemistry 35.

Gravimetric Analysis. Laboratory work, lectures and stoichiometric exercises.

42. ELEMENTARY QUANTITATIVE ANALYSIS.

PROFESSOR DOBBINS AND

Five hours a week.

ASSISTANT.

Winter Quarter.

Third Year.

Laboratory fee, \$10.00.

Prerequisite, Chemistry 41.

Volumetric Analysis. Laboratory work, lectures and stoichiometric exercises.

61. ORGANIC CHEMISTRY.

PROFESSOR WHEELER AND

Five hours a week.

ASSISTANT.

Winter Quarter.

Prerequisite, Chemistry 35.

Laboratory fee, \$7.00.

The Aliphatic Series.

62. ORGANIC CHEMISTRY.

PROFESSOR WHEELER AND

Five hours a week.

ASSISTANT.

Spring Quarter.

Prerequisite, Chemistry 61.

Laboratory fee, \$7.00.

The Carbocyclic and Heterocyclic Series.

PRIZES

THE BRADHAM PRIZE, offered by Mr. C. D. Bradham, of New Bern, N. C., will be given to the student making the highest general average during the two years of study.

THE BEARD PRIZE. To the student who makes the best general average during the two years of study and who passes the North Carolina Board of Pharmacy examination will be given a membership in the North Carolina Pharmaceutical Association.

Prizes will also be given:

1. For the best thesis.
2. For the best collection of native medicinal herbs.
3. For the best exhibit of chemical salts made by a second-year student.
4. For the best work in the recognition of materia medica specimens.
5. To the student recognizing the largest number of pharmaceutical preparations.

PHARMACEUTICAL LABORATORIES

See page 52.

WILLIAM SIMPSON PHARMACEUTICAL SOCIETY

This society was inaugurated by the Class of 1913. It is named in honor of the late William Simpson, of Raleigh, a pioneer druggist and teacher.

The society holds weekly meetings. At these meetings papers are read by the various student members, and discussions of the papers follow. At stated intervals, debates are held on subjects of particular interest to pharmacists.

THE SUMMER SCHOOL

OFFICERS OF ADMINISTRATION, 1922

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

NATHAN WILSON WALKER, A.B., Ed. M., *Director.*

THOMAS JAMES WILSON, JR., Ph.D., *Registrar.*

MISS LOUISE COFFEY, *Secretary.*

EDWIN GREENLAW, Ph.D., *Dean of the Graduate School.*

FRANCIS BRADSHAW, A.B., *Dean of Students, and Chairman
of Committee on Social Activities.*

ISAAC CEBERN GRIFFIN, *Supervisor of Normal Instruction.*

CHARLES THOMAS WOOLLEN, *Business Manager.*

JULIUS ALGERNON WARREN, *Treasurer.*

GEORGE PICKARD, *Superintendent of Grounds.*

P. L. BURCH, *Superintendent of Buildings.*

LOUIS ROUND WILSON, Ph.D., *Librarian.*

ERIC A. ABERNETHY, M.D., *Physician to the Summer School.*

MRS. FLORA RICE, R.N., *Nurse in Charge of Infirmary.*

MISS EDNA WOMACK, R.N., *Assistant Nurse.*

E. E. SAMS, *Secretary, Teachers' Bureau.*

I. HARDING BUTT, *Acting Director of the Gymnasium.*

MISS MARGARET L. CLARK, *Secretary, Y. W. C. A.*

Advisory Committee on Administration: Professors Walker, Noble, Howe, Wilson, T. J., Odum, Branson, Patterson, Knight, Dean Bradshaw.

Faculty Committee on Advanced Standing: Professors Wilson, T. J., Howe, Daggett.

Committee on Normal Courses: Professors Walker, Noble, Knight, and Mr. Griffin.

STAFF OF INSTRUCTION, 1922

- ALBERT BACHMANN, Ph.D.,GERMAN
Instructor in German
University of North Carolina
- LEONARD T. BAKER, A.M.,EDUCATION
Dean and Professor of Education
University of South Carolina
- JAMES MUNSIE BELL, Ph.D.,CHEMISTRY
Smith Professor of Chemistry
University of North Carolina
- BURR BLACKBURNSOCIOLOGY
Secretary of the Georgia State Board of Public Welfare
- EUGENE CUNNINGHAM BRANSON, AM., Litt.D., RURAL ECONOMICS
Kenan Professor of Rural Social Science
University of North Carolina
- WILLIAM BREACHMUSIC
Supervisor of Music
City Schools, Winston-Salem, N. C.
- LAUTREC CRANMER BROGDEN, M.A.,SCHOOL SUPERVISION
State Supervisor of Rural Elementary Schools
- MISS MARY V. CARNEY, M.A.,GRAMMAR SCHOOL HISTORY
Teacher of History
Central High School, St. Paul, Minn.
- DUDLEY DEWITT CARROLL, M.A.,ECONOMICS
Professor of Economics and Dean of the School of Commerce.
University of North Carolina
- COLLIER COBB, A.M., D.Sc.,GEOLOGY
Professor of Geology and Mineralogy
University of North Carolina
- MISS MAE CULPEPER,DEMONSTRATION SCHOOL
Teacher in Public School
Chapel Hill, N. C.
- HARRY WOLVEN CRANE, Ph.D.,PSYCHOLOGY
Associate Professor of Psychology
University of North Carolina
- JOHN FREDERICK DASHIELL, Ph.D.,PSYCHOLOGY
Professor of Psychology
University of North Carolina
- J. FENTON DAUGHERTY, A.B.,PHYSICS
Instructor in Physics
University of North Carolina
- JAMES TALMAGE DOBBINS, Ph.D.,CHEMISTRY
Associate Professor of Chemistry
University of North Carolina
- LEE DRIVER,RURAL EDUCATION
Director of the Bureau of Rural Education
for the State of Pennsylvania
- MISS LETTIE GLASS,DEMONSTRATION SCHOOL
Teacher in Public School
Chapel Hill, N. C.
- MISS IDA GORDNER,DEMONSTRATION SCHOOL
Teacher in Public School
Chapel Hill, N. C.

- FRANK PORTER GRAHAM, A.M., HISTORY
Associate Professor of History
University of North Carolina
- EDWIN GREENLAW, Ph.D., ENGLISH
Kenan Professor of English and Dean of the Graduate School
University of North Carolina
- ISAAC CEBERN GRIFFIN, SUPERVISOR OF NORMAL INSTRUCTION
Superintendent of Schools
Shelby, N. C.
- JOSEPH GREGOIRE DEROULHAC HAMILTON, Ph.D., HISTORY
Kenan Professor of History
University of North Carolina
- THOMAS H. HAMILTON, MUSIC
Assistant Director of Music
University of North Carolina
- FRANK JOHN HARONIAN, M.A., FRENCH
Instructor in French
University of North Carolina
- MISS ELLA HAYES, MUSIC
Supervisor of Music
Newport News, Va.
- ARCHIBALD HENDERSON, Ph.D., MATHEMATICS
Professor of Mathematics
University of North Carolina
- GEORGE KENNETH GRANT HENRY, Ph.D., LATIN
Assistant Professor of Latin
University of North Carolina
- CLARENCE ADDISON HIBBARD, M.A., ENGLISH
Assistant Professor of English
University of North Carolina
- E. McCOY HIGHSMITH, A.M., EDUCATION
Professor of Education
Meredith College, Raleigh, N. C.
- ALLAN WILSON HOBBS, Ph.D., MATHEMATICS
Associate Professor of Mathematics
University of North Carolina
- SAMUEL HUNTINGTON HOBBS, A.M.,
RURAL ECONOMICS AND SOCIOLOGY
Assistant Professor of Rural Economics and Sociology
University of North Carolina
- GEORGE HOWE, Ph.D., LATIN
Professor of the Latin Language and Literature, and Dean
of the College of Liberal Arts, University of North Carolina
- ALMONTE C. HOWELL, M.A., ENGLISH
Instructor in English
University of North Carolina
- MISS LILY NELSON JONES, WRITING
Supervisor of Writing
Durham City Schools
- MRS. CLARENCE JOHNSON, PUBLIC WELFARE
State Commissioner of Public Welfare
- EDGAR W. KNIGHT, Ph.D., EDUCATION
Professor of Rural Education
University of North Carolina

- JOHN W. LASLEY, Ph.D.,MATHEMATICS
Associate Professor of Pure Mathematics
University of North Carolina
- HARRY FRANKLIN LATSHAW, A.M.,PSYCHOLOGY
Instructor
University of North Carolina
- MISS GRACE LAWRENCE,DEMONSTRATION SCHOOL
North Carolina College for Women
Greensboro, North Carolina
- MISS HENRIETTE MASSELING,
STORY-TELLING, PHYSICAL EDUCATION
Story Specialist, Assistant Principal
Public Schools, Atlanta, Ga.
- GEORGE MCFARLAND MCKIE, A.M.,ENGLISH
Associate Professor of Public Speaking
University of North Carolina
- HAROLD D. MEYER, M.A.,RECREATION
Associate Professor of Sociology
University of North Carolina
- FRED W. MORRISON, A.M.,
SUPERINTENDENT OF DEMONSTRATION SCHOOL
Superintendent of the Chapel Hill
Graded School
- E. R. MOSHER, A.M., Ed.M.,EDUCATION
Professor of Education
Salem Normal School, Massachusetts
- CLAUDIUS T. MURCHISON, Ph.D.,ECONOMICS
Professor of Economics
University of North Carolina
- MARCUS CICERO STEPHENS NOBLE,PEDAGOGY
Professor of Pedagogy
University of North Carolina
- MARCUS CICERO STEPHENS NOBLE, JR., A.M.,.....EDUCATION
Graduate Student, Harvard University
- HOWARD WASHINGTON ODUM, Ph.D.,...EDUCATIONAL SOCIOLOGY
Kenan Professor of Sociology and Director of the School of Public Welfare
University of North Carolina
- ANDREW HENRY PATTERSON, A.M.,.....PHYSICS
Professor of Physics and Dean of the School of Applied Science
University of North Carolina
- ERLE EWERT PEACOCK, M.B.A.,ACCOUNTING
Associate Professor of Accounting
University of North Carolina
- WILLIAM WHATLEY PIERSON, JR., Ph.D.,HISTORY
Professor of History
University of North Carolina
- MISS MARY POORE,WRITING
Supervisor of Writing
City School's of Birmingham, Ala.
- MISS ELIZABETH PRATT,MUSIC
Supervisor of Graded School Music
Public Schools of St. Louis

- WILLIAM FREDERICK PROUTY, Ph.D.,GEOLOGY
 Professor of Stratigraphic Geology
 University of North Carolina
- EDWIN DAVIS PUSEY, A.M., LL.D.,.....EDUCATION
 Superintendent of City Schools
 Durham, N. C.
- MISS ANNIE RAY, M.A.,PRIMARY EDUCATION
 Teachers College, Columbia University
 New York City
- MISS MARY GREY SANDIFER,PRIMARY EDUCATION
 Winthrop College, Rock Hill, S. C.
- MRS. MAMIE S. SEASE, A.B.,DRAWING
 Supervisor of Drawing
 Durham City Schools
- ALBERT SHAPIRO, Ph.D.,SPANISH
 Assistant Professor-elect of Spanish
 University of North Carolina
- MISS MARY A. SHEEHAN, A.B., B.Ed.,..GRAMMAR SCHOOL ENGLISH
 Teacher of English
 Washington Junior High School, Rochester, N. Y.
- SAMUEL LLOYD SHEEP, M.E.,ARITHMETIC
 Superintendent of City Schools
 Elizabeth City, N. C.
- MISS HELEN SHELL,DEMONSTRATION SCHOOL
 Teacher in Public School
 Chapel Hill, N. C.
- CHARLES INTERVALE SILIN, A.B.,FRENCH
 Instructor in French
 Johns Hopkins University
- SAMUEL CLEMENT SMITH, A.M.,CHEMISTRY
 Teaching Fellow in Chemistry
 University of North Carolina
- JOHN MARCELLUS STEADMAN, Ph.D.,ENGLISH
 Professor of English
 Emory University, Ga.
- JESSE FREDERICK STEINER, Ph.D.,
 SOCIAL PATHOLOGY AND COMMUNITY ORGANIZATION
 Professor of Social Technology
 University of North Carolina
- HAYWOOD MAURICE TAYLOR, S.B.,CHEMISTRY
 Instructor in Chemistry
 University of North Carolina
- MISS MARY V. THOMAS,DRAWING
 Teacher in the Art Department
 Public Schools, Baltimore, Md.
- WALTER DALLAM TOY, M.A.,GERMAN
 Professor of the Germanic Language and Literature
 University of North Carolina
- MARION REX TRABUE, Ph.D.,.....EDUCATION
 Director of Educational Service
 Teachers College, Columbia University

NATHAN WILSON WALKER, A.B., Ed.M.EDUCATION
Professor of Secondary Education and Acting Dean, School of Education
University of North Carolina

PAUL JOHN WEAVER, B.A.,PUBLIC SCHOOL MUSIC
Director of Music
University of North Carolina

ALVIN SAWYER WHEELER, Ph.D.,CHEMISTRY
Professor of Organic Chemistry
University of North Carolina

CROFT WILLIAMSSOCIOLOGY
Secretary of the South Carolina State Board of Public Welfare

LOUIS ROUND WILSON, Ph.D.,LIBRARY SCIENCE
Professor of Library Science
University of North Carolina

ARTHUR SIMEON WINSOR, A.M.,MATHEMATICS
Assistant Professor of Mathematics
University of North Carolina

COLLEGE COURSES OF INSTRUCTION, 1922

The letter s, meaning summer, is prefixed to the numbers of courses to distinguish them from the numbers employed in the annual catalogue to designate the courses of the regular college year.

The letter N indicates that the course counts for "normal credit," i.e., credit towards a state certificate. The letter C indicates that a course is of college grade and may be counted towards the bachelor's degree; the letter G indicates that a course so marked is of graduate grade and may be counted towards the master's degree. One Summer School hour is counted as one-half a course for a term (quarter) of the regular session.

Accounting

- s 1. PRINCIPLES OF ACCOUNTING.
MR. PEACOCK. Credit, 1 course. C.
Twelve hours a week.
- s 2. PRINCIPLES OF ACCOUNTING.
MR. PEACOCK. Credit, 1 course. C.
Twelve hours a week.

Chemistry

- s 1. GENERAL DESCRIPTIVE CHEMISTRY.
MR. BELL AND MR. SMITH. Credit, 1 course. C.
Fourteen hours a week.
- s 2. GENERAL DESCRIPTIVE CHEMISTRY.
MR. BELL AND MR. SMITH. Credit, 1 course. C.
Fourteen hours a week.
- s 21. SENIOR RESEARCH.
MR. BELL, MR. DOBBINS, Credit, 1 course. C.
MR. WHEELER. *Daily.*
- s 31. QUALITATIVE ANALYSIS.
MR. DOBBINS AND Credit, 1 course. C.
MR. TAYLOR. *Six hours daily, June 22-July 13.*
- s 44. QUANTITATIVE ANALYSIS.
MR. DOBBINS AND MR. Credit, $\frac{1}{2}$ course. C.
SMITH. *Four hours daily, July 14-Aug. 3.*
- s 61. ORGANIC CHEMISTRY.
MR. WHEELER AND Credit, 1 course. C.
MR. TAYLOR. *Fourteen hours a week.*
- s 62. ORGANIC CHEMISTRY.
MR. WHEELER. Credit, 1 course. C.
Fourteen hours a week.

s 63. IDENTIFICATION OF PURE ORGANIC COMPOUNDS.

MR. WHEELER.

Credit, $\frac{1}{2}$ course. C.*Laboratory work daily.*

s 174. ADVANCED ORGANIC CHEMISTRY.

MR. WHEELER.

Credit, $\frac{1}{2}$ course. G.*Daily.*

s 177. RESEARCH IN ORGANIC CHEMISTRY.

MR. WHEELER.

Credit, 1 course. G.

Daily..

s 194. ADVANCED PHYSICAL CHEMISTRY.

MR. BELL.

Credit, 1 course. G.

Daily.

s 197. RESEARCH IN PHYSICAL CHEMISTRY.

MR. BELL.

Credit, 1 course. G.

*Daily..***Economics**

s 1. GENERAL ECONOMICS.

MR. CARROLL.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 2. ECONOMIC PROBLEMS.

MR. CARROLL.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 3. MONEY.

MR. MURCHISON.

Credit, $\frac{1}{2}$ course. C. or G.*Five hours a week.*

s 4. BANKING.

MR. MURCHISON.

Credit, $\frac{1}{2}$ course. C. or G.*Five hours a week.*

s 5. MARKETS AND MARKETING.

MR. MURCHISON.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 16. THEORIES OF ECONOMIC REFORM.

MR. CARROLL.

Credit, $\frac{1}{2}$ course. C. or G.*Five hours a week.***Education**

s 2a. PRINCIPLES OF EDUCATION.

MR. MOSHER.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 3a. METHODS IN EDUCATION.

MR. NOBLE.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

- s 13. CONSTRUCTIVE SUPERVISION.
MR. BROGDEN. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.
- s 15. CLASS MANAGEMENT.
MR. PUSEY. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 17. HISTORY OF EDUCATION IN N. C.
MR. NOBLE. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 18. HISTORY OF EDUCATION.
MR. BAKER. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 19. INTRODUCTORY PSYCHOLOGY. (See Psychology s 19).
- s 20. PSYCHOLOGY OF CHILDHOOD AND ADOLESCENCE. (See Psychology s 20).
- s 21. ELEMENTARY EDUCATIONAL PSYCHOLOGY. (See Psychology s 21).
- s 23. EDUCATIONAL PSYCHOLOGY. (See Psychology s 23).
- s 25. THE JUNIOR HIGH SCHOOL.
MR. PUSEY. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 26a. PUBLIC SCHOOL EDUCATION IN THE SOUTH.
MR. KNIGHT. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.
- s 27. MENTAL EXAMINATION METHODS. (See Psychology s 27).
- s 28. MENTALLY DEFICIENT CHILDREN. (See Psychology s 28).
- s 31a. RURAL EDUCATION.
MR. KNIGHT, Assisted by MR. DRIVER. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.
- s 51a. PRINCIPLES OF SECONDARY EDUCATION.
MR. MOSHER. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.
- s 52a. HIGH SCHOOL METHODS.
MR. MOSHER. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 61a. EDUCATIONAL ADMINISTRATION.
MR. BAKER. Credit, $\frac{1}{2}$ course. C.
Five hours a week.

s 62a. EDUCATIONAL MEASUREMENTS.

MR. TRABUE. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

s 65. SCHOOL FINANCE.

MR. PUSEY. Credit, $\frac{1}{2}$ course. C.
Five hours a week.

s101a. PROBLEMS IN SECONDARY EDUCATION.

MR. WALKER AND MR. MOSHER. Credit, $\frac{1}{2}$ course. G.
Five hours a week.

s 104. EDUCATIONAL AND SOCIAL STATISTICS.

MR. TRABUE. Credit, $\frac{1}{2}$ course. G.
Five hours a week.

s 108. ADMINISTRATIVE PROBLEMS.

MR. TRABUE. Credit, $\frac{1}{2}$ course. G.
Five hours a week.

s 109. EDUCATIONAL CLASSICS.

MR. BAKER. Credit, $\frac{1}{2}$ course. G.
Five hours a week.

s 121. EDUCATIONAL SOCIOLOGY. (See Sociology s121).

s126a. STUDIES IN SOUTHERN EDUCATION.

MR. KNIGHT. Credit, $\frac{1}{2}$ course or 1 course. G.
Five hours a week.

English

s 11a. THE TEACHING OF ENGLISH IN THE HIGH SCHOOL.

MR. GREENLAW. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

s 12. ENGLISH COMPOSITION.

MR. HOWELL. Credit, 1 course. C.
Ten hours a week.

s 13. ENGLISH LITERATURE.

MR. HIBBARD. Credit, 1 course. C.
Ten hours a week.

s 14. DRAMATIC INTERPRETATION AND PLAY PRODUCTION.

MR. MCKIE. Credit, $\frac{1}{2}$ course. C.
Five hours a week.

s 23. THE SHORT STORY.

MR. HIBBARD. Credit, $\frac{1}{2}$ course. C.
Five hours a week.

s 37. SHAKESPEARE'S COMEDIES.

MR. MCKIE. Credit, $\frac{1}{2}$ course. C.
Five hours a week.

s 57. RECENT ENGLISH POETRY.

MR. HOWELL.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 60a. AMERICAN LITERATURE.

MR. GREENLAW.

Credit, $\frac{1}{2}$ course, or 1 course. C.
or G.*Five or ten hours a week.*

s 71. MODERN DRAMA.

MR. MCKIE.

Credit, $\frac{1}{2}$ course. C. or G.*Five hours a week.*

s 83a. CHAUCER.

MR. STEADMAN.

Credit, $\frac{1}{2}$ course. C. or G.*Five hours a week.*

s 85a. HISTORY OF THE ENGLISH LANGUAGE FOR TEACHERS.

MR. STEADMAN.

Credit, $\frac{1}{2}$ course. C. or G.*Five hours a week.*

s 141. RESEARCH IN A SPECIAL FIELD.

MR. GREENLAW AND

Credit, $\frac{1}{2}$ course, or 1 course.

MR. STEADMAN.

*Open only to graduates whose major
is in English.*

French

s 1. ELEMENTARY COURSE.

MR. SILIN.

Credit, 1 hour. N.

Five hours a week.

s 2. ELEMENTARY COURSE.

MR. HARONIAN.

Credit, 1 hour. N.

Five hours a week.

s 3. ADVANCED COURSE.

MR. HARONIAN.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 4. ADVANCED COURSE.

MR. HARONIAN.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 5. THE TEACHING OF FRENCH IN THE HIGH SCHOOL.

MR. SILIN.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 6. FRENCH CONVERSATION AND COMPOSITION.

MR. SILIN.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

Geography

- s 5. COMMERCIAL AND INDUSTRIAL GEOGRAPHY.
MR. COBB. Credit, 1 course. C.
Lectures five hours a week.
- s 11. THE TEACHING OF GEOGRAPHY IN THE HIGH SCHOOL.
MR. COBB. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 22. COMMERCIAL AND INDUSTRIAL GEOGRAPHY.
MR. COBB. Credit, 1 course. C.
Lectures five hours a week.

Geology

- s 13. INTRODUCTORY GEOLOGY.
MR. PROUTY. Credit, 1 course. C.
Lectures five hours a week.
- s 14. HISTORICAL GEOLOGY.
MR. PROUTY. Credit, 1 course. C.
Lectures five hours a week.
- s 16. ADVANCED GEOLOGICAL FIELD WORK.
MR. PROUTY. Credit, 1 course. C. or G.
Six afternoons a week.

German

- s 1. ELEMENTARY COURSE.
MR. TOY. Credit, 1 hour. N.
Five hours a week.
- s 2. ELEMENTARY COURSE.
MR. TOY. Credit, 1 hour. N.
Five hours a week.
- s 3. ADVANCED COURSE.
MR. BACHMANN. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 4. ADVANCED COURSE.
MR. BACHMANN. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 15. THE TEACHING OF GERMAN IN THE HIGH SCHOOL.
MR. TOY. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 22. GERMAN LITERATURE.
MR. TOY. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

History and Government

- s 1a. GOVERNMENT.
MR. HAMILTON. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 1a. HISTORY: FOUNDATIONS OF MODERN EUROPEAN HISTORY, 1500-1789.
MR. GRAHAM. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 7a. AMERICAN HISTORY.
MR. HAMILTON. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 8a. HISTORY: UNITED STATES HISTORY. The Contemporary Period, 1877-1916.
MR. PIERSON. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 23. HISTORY: THE FRENCH REVOLUTION.
MR. PIERSON. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.
- s 26. HISTORY: THE TEACHING OF HISTORY IN THE HIGH SCHOOL.
MR. PIERSON. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 28. THE MIDDLE PERIOD OF AMERICAN HISTORY, 1815-1850.
MR. GRAHAM. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.
- s 109. HISTORY: A RESEARCH COURSE.
MR. HAMILTON. Credit, $\frac{1}{2}$ course. G.
Five hours a week.
- s 109. GOVERNMENT: A RESEARCH COURSE.
MR. HAMILTON. Credit, $\frac{1}{2}$ course. G.
Five hours a week.

Latin

- s 4. VERGIL.
MR. HENRY. Credit, 1 hour. N. or $\frac{1}{2}$ course. C.
Five hours a week.
- s 11. THE TEACHING OF LATIN IN THE HIGH SCHOOL.
MR. HOWE. Credit, $\frac{1}{2}$ course. C.
Five hours a week.
- s 15. SEMINAR COURSE.
MR. HOWE. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

s 16. CLASSICAL DRAMA.

MR. HENRY.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 17. CICERO.

MR. HOWE.

Credit, $\frac{1}{2}$ course. C. or G.*Five hours a week.*

Library Science

s 1. THE USE OF BOOKS.

MR. WILSON.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 5. LIBRARY ORGANIZATION AND METHODS.

MR. WILSON.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

Mathematics

N.O. SOLID GEOMETRY.

MR. HOBBS.

Credit, 1 hour. N.

Five hours a week.

s 1. COLLEGE ALGEBRA.

MR. WINSOR.

Credit, 1 hour. N. or $\frac{1}{2}$ course. C.*Five hours a week.*

s 2. PLANE TRIGONOMETRY.

MR. HENDERSON.

Credit, 1 course. C.

Ten hours a week.

s 3. ANALYTIC GEOMETRY.

MR. HOBBS.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 4. DIFFERENTIAL CALCULUS.

MR. WINSOR.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 5. INTEGRAL CALCULUS.

MR. WINSOR.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 6. ADVANCED PLANE GEOMETRY.

MR. HOBBS.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 10. DIFFERENTIAL EQUATIONS.

MR. HENDERSON.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

s 13. THEORY OF EQUATIONS.

MR. LASLEY.

Credit, $\frac{1}{2}$ course. C.*Five hours a week.*

8 51. THE TEACHING OF MATHEMATICS IN THE HIGH SCHOOL.

MR. HOBBS.

Credit, $\frac{1}{2}$ course. C.

Five hours a week.

8 52. ELEMENTARY PROJECTIVE GEOMETRY.

MR. LASLEY.

Credit, $\frac{1}{2}$ course. C.

Five hours a week.

Music

8 1. GENERAL PROBLEMS OF MUSIC SUPERVISION.

MR. WEAVER.

Credit, 1 hour. N. and C.

Five hours a week.

8 2. PUBLIC SCHOOL MUSIC METHODS (A).

MISS PRATT.

Credit, 1 hour. N. and C.

Five hours a week.

8 3. PUBLIC SCHOOL MUSIC METHODS (B).

MISS HAYES.

Credit, 1 hour. N. and C.

Five hours a week.

8 4. PUBLIC SCHOOL MUSIC METHODS (C).

MISS PRATT.

Credit, 1 hour. N. and C.

Five hours a week.

8 5. PUBLIC SCHOOL MUSIC METHODS (D).

MISS HAYES.

Credit, 1 hour. N. and C.

Five hours a week.

8 6. HIGH SCHOOL MUSIC.

MR. BREACH.

Credit, 1 hour. N. and C.

Five hours a week.

8 7. SIGHT-SINGING AND EAR-TRAINING (A and B).

MISS PRATT AND

Credit, 1 hour. N. and C.

MISS HAYES.

Five hours a week.

8 8. SIGHT-SINGING AND EAR-TRAINING (C).

MR. BREACH.

Credit, 1 hour. N. and C.

Five hours a week.

8 9. APPRECIATION OF MUSIC.

MR. WEAVER.

Credit, 1 hour. N. and C.

Five hours a week.

8 10. VOICE LESSONS.

MR. BREACH AND MR.
HAMILTON.

8 11. PIANO LESSONS.

MR. BREACH AND MR.
HAMILTON.

- s 12. VIOLIN LESSONS.
 THE SUMMER SCHOOL CHORUS.
 COMMUNITY SINGS.
 THE SUMMER SCHOOL ORCHESTRA.
 RECITALS.

Physics

- s 1. ADVANCED COURSE.
 MR. PATTERSON AND MR. DAUGHERTY. Credit, 1 course. C.
Twelve hours a week.
- s 2. ADVANCED COURSE.
 MR. PATTERSON AND MR. DAUGHERTY. Credit, 1 course. C.
Fourteen hours a week.
- N 3. ASTRONOMY.
 MR. PATTERSON. Credit, 1 hour. N.
Three times a week, M. W. F.
- s 13. TEACHER'S COURSE.
 MR. PATTERSON AND MR. DAUGHERTY. Credit, 1 course. C.
Ten hours a week.

Psychology

- s 19. INTRODUCTORY PSYCHOLOGY.
 MR. DASHIELL AND MR. LATSHAW. Credit, 1 course. C.
Ten hours a week.
- s 20. PSYCHOLOGY OF CHILDHOOD AND ADOLESCENCE.
 MR. LATSHAW. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.
- s 21. ELEMENTARY EDUCATIONAL PSYCHOLOGY.
 MR. LATSHAW. Credit, 1 hour. N. or $\frac{1}{2}$ course. C.
Five hours a week.
- s 23. EDUCATIONAL PSYCHOLOGY: PSYCHOLOGY OF LEARNING.
 MR. DASHIELL. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.
- s 27. MENTAL EXAMINATION METHODS.
 MR. CRANE. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.
- s 28. MENTALLY DEFICIENT CHILDREN.
 MR. CRANE. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

Rural Social Economics

- s 11. RURAL SOCIAL PROBLEMS.
 MR. BRANSON. Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

s 12. RURAL ECONOMICS.

MR. HOBBS.

Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

s 13. LABORATORY COURSE IN RURAL SOCIAL PROBLEMS.

MR. HOBBS AND MR.
BRANSON.Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

Sociology

s 2. PRINCIPLES OF SOCIOLOGY.

MR. ODUM.

Credit, 1 course. C.
Ten hours a week.

s 8. COMMUNITY ORGANIZATION.

MR. STEINER.

Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

s 12. CRIME AND ITS SOCIAL TREATMENT.

MR. STEINER.

Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

s 14. FAMILY CASE WORK.

MR. STEINER.

Credit, $\frac{1}{2}$ course. C.
Five hours a week.

s 16. ORGANIZATION AND ADMINISTRATION OF PUBLIC WELFARE.

MR. ODUM, MRS. JOHNSON,
MR. WILLIAMS AND MR.
BLACKBURN.Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

s 24. COMMUNITY PLAY AND RECREATION.

MR. MEYER.

Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

s 121. EDUCATIONAL SOCIOLOGY.

MR. ODUM.

Credit, $\frac{1}{2}$ course. C. or G.
Five hours a week.

Spanish

s 1. ELEMENTARY COURSE.

MR. SHAPIRO.

Credit, 1 hour. N.
Five hours a week.

s 2. ELEMENTARY COURSE.

MR. SHAPIRO.

Credit, 1 hour. N.
Five hours a week.

s 11. ADVANCED COURSE.

MR. SHAPIRO.

Credit, 1 hour. C.
Five hours a week.

NORMAL COURSES OF INSTRUCTION

Drawing

- N 1. PRIMARY DIVISION.
MRS. SEASE AND MISS THOMAS. Credit, 1 hour. N.
Five hours a week.
- N 2. GRAMMAR DIVISION.
MRS. SEASE AND MISS THOMAS. Credit, 1 hour. N.
Five hours a week.
- N 3. ADVANCED DIVISION.
MRS. SEASE AND MISS THOMAS. Credit, 1 hour. N.
Five hours a week.

Education

- N 1. GENERAL METHODS IN PRIMARY SCHOOL SUBJECTS.
MISS ANNIE RAY. Credit, each section, 1 hour. N.
Each section, five hours a week.
- N 2. PRIMARY READING.
MISS ANNIE RAY. Credit, 1 hour. N.
Five hours a week.
- N 3. PRINCIPLES OF ELEMENTARY EDUCATION.
MR. NOBLE. Credit, 1 hour. N.
Five hours a week.
- N 4. HISTORY OF EDUCATION.
MR. HIGHSMITH. Credit, 1 hour. N.
Five hours a week.
- N 5. CHILD STUDY.
MR. HIGHSMITH. Credit, 1 hour. N.
Five hours a week.
- N 6. STORY TELLING.
MISS MASSELING AND MR. BUTT. Credit, each section, 1 hour. N.
Each section, five hours a week.
- N 7. PHYSICAL EDUCATION.
MISS MASSELING AND MR. BUTT. Credit, each section, 1 hour. N.
Each section, five hours a week.
- N 8. CLASS MANAGEMENT.
MR. GRIFFIN. Credit, 1 hour. N.
Five hours a week.
- N 9. TESTS AND MEASUREMENTS FOR ELEMENTARY GRADES.
MR. NOBLE. Credit, 1 hour. N.
Five hours a week.

English

N 1. LANGUAGE IN THE GRADES.

MISS SHEEHAN.

Credit, 1 hour. N.

Five hours a week.

N 2. LITERATURE IN THE GRADES.

MISS SHEEHAN.

Credit, 1 hour. N.

Five hours a week.

N 3. METHODS OF TEACHING ENGLISH IN THE GRADES.

MISS SHEEHAN.

Credit, 1 hour. N.

*Five hours a week.***Geography**

N 1. ELEMENTARY GEOGRAPHY.

MISS CARNEY.

Credit, 1 hour. N.

Five hours a week.

N 2. THE TEACHING OF GEOGRAPHY.

MR. NOBLE.

Credit, 1 hour. N.

*Five hours a week.***History**

N 1. A REVIEW COURSE IN HISTORY.

MISS CARNEY.

Credit, 1 hour. N.

Five hours a week.

N 2. THE TEACHING OF HISTORY IN THE GRADES.

MISS CARNEY.

Credit, 1 hour. N.

Five hours a week.

N 3. HISTORY IN THE JUNIOR HIGH SCHOOL.

MISS CARNEY.

Credit, 1 hour. N.

*Five hours a week.***Mathematics**

N 1. ARITHMETIC.

MR. SHEEP.

Credit, 1 hour. N.

Five hours a week.

N 2. THE TEACHING OF ARITHMETIC.

MR. SHEEP.

Credit, 1 hour. N.

Five hours a week.

Writing

N 1. FREE-ARM MOVEMENT.

MISS JONES.

Credit, 1 hour. N.

Five hours a week.

N 2. PALMER METHOD WRITING.

MISS POORE.

Credit, 1 hour. N.

Five hours a week.

N 3. PALMER METHOD WRITING.

MISS POORE.

Credit, 1 hour. N.

Five hours a week.

THE UNIVERSITY EXTENSION DIVISION

Officers

HARRY WOODBURN CHASE, Ph.D., LL.D., *President.*

CHESTER DEFORD SNELL, B.H., B.S., *Director.*

EDGAR RALPH RANKIN, A.M., *Associate Director.*

LOUISE MANNING VENABLE, A.B., *Executive Secretary.*

In Charge of Bureaus

EUGENE CUNNINGHAM BRANSON, A.M., Litt.D., *Rural Social Economics.*

MARY LOUISE COBB, A.B., *Correspondence and Class Instruction.*

WILLIAM CHAMBERS COKER, Ph.D., *Design and Improvement of School Grounds.*

GEORGE VERNON DENNY, *Lectures and Entertainments.*

FREDERICK HENRY KOCH, A.M., *Community Drama.*

WALTER JEFFRIES MATHERLY, A.M., *Commercial and Industrial Relations.*

HAROLD DIEDRICH MEYER, A.M., *Short Courses and Institutes.*

HOWARD WASHINGTON ODUM, Ph.D., *Municipal Information and Research.*

EDGAR RALPH RANKIN, A.M., *High School Debating and Athletics.*

NELLIE ROBERSON, A.B., *Public Discussion.*

JESSE FREDERICK STEINER, Ph.D., *Community Development.*

NATHAN WILSON WALKER, Ed.M., *Educational Information and Assistance.*

PAUL JOHN WEAVER, B.A., *Community Music.*

The University Extension Division offers assistance to the people of the State through the following Bureaus:

I. CORRESPONDENCE AND CLASS INSTRUCTION

CORRESPONDENCE STUDY has been designed to give everyone who cannot attend the University of North Carolina an opportunity to get some of the advantages for instruction and culture which may be a help to him. To those who desire to

study for degrees or teachers' certificates, or merely for cultural purposes, the correspondence study method offers an excellent opportunity.

Correspondence study is simply a method of learning through the study of text-books and answering in writing the questions asked in each lesson assignment. Each assignment contains: (a) full directions for study, including references to text-books by chapter and page; (b) suggestions and helps of the instructor; (c) questions to test the student's method of work and his understanding of the work done. When a student has registered for a course three assignments are sent him. He does the work outlined in the first assignment and sends his paper to the Extension Division and then begins work on the second assignment. Upon receipt of each completed assignment from the student the Extension Division sends him a new assignment. At the University each paper is corrected and graded by a member of the faculty and then returned to the student. While it is very desirable that the student send in work regularly, at least one assignment each week, he has the privilege of sending in the work as he is able to complete it.

CORRESPONDENCE INSTRUCTION is no longer an experiment but is an assured success. This fact is testified to by University instructors and by earnest and enthusiastic students. Educational institutions all over the country now consider correspondence courses a part of their regular work.

It is not the purpose of correspondence study to discourage study in residence. On the contrary, it is believed that many who thus become interested in continuing their education will be led to avail themselves of residence study. In residence the student comes into personal contact with teachers and a large body of students. The constant contact with scholarly and cultured people has always been looked upon as a prime factor in the rounded education of young people.

However, to quote the *University of Texas Bulletin*:
“ . . . correspondence study offers substantial advantages. In correspondence instruction the teaching is entirely indi-

vidual; each student comes into individual relation with the instructor in a way impossible in the crowded class-room. He recites the whole of every lesson with a consequent advantage to himself that is obvious. Full opportunity is given to discuss all difficulties in writing, and this written discussion in itself affords valuable training. Further, a correspondence student is not hampered by the usual time regulations; he may take up study at his convenience without awaiting the fixed date of a college term."

In offering these courses to *school teachers*, the University has no desire whatever to interfere with the regular work of the teachers but wishes simply to give them an opportunity to better their educational training during their spare hours.

LENGTH OF COURSES. Each correspondence course has been developed by a member of the faculty so that it parallels a course given in residence in the same subject and covers an equal amount of work for which equal credit is given. Although it may vary, a correspondence course which gives one-half course credit has about sixteen assignments, and for one course credit there are about twenty-seven assignments. Each assignment covers approximately two days of residence work. On such assignments a student is expected to put approximately six hours or else sufficient time to do the work in the best possible manner. Where there is a small number of assignments in a course, each assignment covers several days of residence work. The number of assignments in a course is really incidental, since the total amount of work for a unit of credit is always the same.

TEXT-BOOKS are purchased by the students themselves, usually through the Extension Division. When a student has finished a course the Extension Division will repurchase books that are in good condition if the student desires to sell them. Reference books for supplementary reading may be borrowed from the University Library through the Extension Division.

Credit

All courses offered count toward the A. B. degree. Certain courses are credited toward the B.S. in Commerce. The

Division of Certification of the State Department of Public Instruction at Raleigh will credit toward *state teachers' certificates* correspondence courses for which the University gives degree credit. A teacher may therefore earn by this method both degree and certification credit at the same time.

AMOUNT OF CREDIT—Nine courses are equal to one year of college work. One course (subject) equals three and one-third semester hours of certification credit, and a half course is equal to two semester hours. Either two courses or three half courses give credit equivalent to attendance at one summer school. This is the academic credit needed to renew a certificate.

It should be clearly understood that no *course* is offered to raise or renew any particular teaching certificate. Rather, correspondence instruction is given by the *subject* as in residence instruction, since each correspondence course parallels a residence course.

In general, any *certificate may be raised one class by credit* for four approved summer schools of not less than three five-hour courses each (twenty-four semester hours of work), or the equivalent in correspondence courses. This means eight full correspondence courses or twelve half courses, or a combination of half and full courses sufficient to make twenty-four semester hours. The quickest and best method for raising a certificate is to combine summer school and correspondence instruction.

ENTRANCE REQUIREMENTS—*An applicant for correspondence work must meet University entrance requirements and be enrolled in the University if either degree or certification credit is desired.* The University entrance requirements state that an applicant must have at least fifteen units from an accredited high school. The high school record must be transferred to the University on a blank which will be furnished for this purpose. An applicant for advanced standing may be admitted to the sophomore, junior, or senior class when credit for work taken at other colleges has been properly transferred to this University and accepted by the examining committee.

MASTER'S DEGREE CREDIT—At present no courses are offered toward the Master's degree. However, a *teacher* who is already a graduate of an A grade college and who still lacks some professional credits for a certificate may take certain professional courses by correspondence. These courses must be chosen only in one's own professional field. For instance, a primary teacher should not take a course in high school methods.

NOTICE TO TEACHERS—School teachers with sufficient ability and experience, who are working for certification credit, may take junior and senior correspondence courses though they may be technically rated as freshmen or sophomores. Eligibility of a teacher to take such correspondence courses will be decided by the head of the department and the dean of the school under which the subject is given.

Without Credit

Those who desire to take correspondence courses but do not wish degree credit may register for such, provided they can demonstrate their ability to carry on the work satisfactorily.

Fees

A fee of six dollars and a half (\$6.50) is charged for each half course (subject); a fee of twelve dollars (\$12) is charged for one course. No fees or parts of fees can be remitted after a course is once begun. A registration fee holds good for twelve months only. If it is desired to continue a course not completed within that time a new registration and fee will be required: One dollar and a half (\$1.50) for a half course and three dollars (\$3.00) for a full course.

RULES GOVERNING CORRESPONDENCE WORK

1. Those wishing to take correspondence courses for credit must submit a transcript of their high school record on a blank furnished by the Extension Division.

2. Not more than two courses (subjects) may be carried at one time and it is advisable to take one course and complete that before registering for another.

3. Students may enroll for correspondence work at any time between September fifteenth and June first. Work may not be done between August first and September fifteenth. It is important to register as early in the fall as possible (between September fifteenth and November first). Registration in the late spring does not leave sufficient time to complete the work before the end of summer school (August first).

4. Work taken by correspondence must be completed within one year from date of registration.

5. Those who wish credit must take a final examination upon the completion of all assignments in a course. This examination may be taken either at the University or at home under conditions approved by the University.

6. It is desirable that students send in at least one assignment per week.

7. A subject previously taken in any institution for which either degree or certification credit has already been given can not be taken for credit by correspondence.

8. One year of residence work is required by the University before any degree will be granted.

9. Teachers who need professional courses for certification credit must select courses only in their own professional field. For instance, a primary teacher cannot take a course in high school methods.

10. Not more than the equivalent of one year of residence work (nine full courses) may be earned by correspondence study. Four and one-half courses constitute the maximum of correspondence work which may be completed in any twelve-month period.

THE HONOR SYSTEM

Correspondence courses, like residence courses, are on the honor basis. The student body of the University has through a century of traditions developed an honor spirit and an honor system. A student who plagiarizes, copies, cheats, or in any way does dishonest work is not only denied credit for the course but is also dismissed from the University by his fellow students. Work must be honest above all other quali-

ties. Each correspondence student is on his honor to do only honest work. At the conclusion of each assignment a student certifies on honor that no aid was given or received.

To make certain that there be no semblance of dishonor it should be an unfailing habit never to use the textbook or any other materials or aids after the questions have been read.

No credit will be given for a course in case the student has been false to the pledge of honor.

EXTENSION CLASSES

Every autumn extension classes in University subjects are organized in several cities. These classes meet one evening a week for sixteen weeks and are taught by members of the University faculty. Some of the subjects taught are salesmanship, advertising, accounting, English, history, mathematics, and education. The same credit is given for these extension classes as for residence work, provided the University entrance requirements are met. Those not wishing credit are eligible for these courses. Groups wishing to organize extension classes should send in their applications early. The minimum number of students for whom the Extension Division is willing to organize a class is usually held at twelve. The request for such a class should be accompanied by a full statement of the probable enrollment, the general type of persons who wish to take the course, how frequently the class wishes to meet, where it will meet, who will have charge of the local organization arrangements, and what particular course is desired. As many of these classes will be organized as the resources of the Division will permit.

Postgraduate medical courses for doctors are conducted in twelve or more centers of the State each summer.

COURSES OF INSTRUCTION

SCHOOL OF COMMERCE

Economics

c 1. GENERAL ECONOMICS.

PROFESSOR SFRUILL.	Credit, 1 course.
Sophomore and Junior	Fee, \$12.00.
elective.	<i>25 assignments.</i>

This course is designed to present the outlines of economic theory and to give the student an understanding of the general principles underlying our complicated industrial life. An analysis is made of the forces which operate in markets to determine value, and the features of the consumptive, productive, and distributive processes are presented.

c 2. GENERAL ECONOMICS.

PROFESSOR SFRUILL.	Credit, 1 course.
Sophomore and Junior	Fee, \$12.00.
elective.	<i>27 assignments.</i>

This course is planned to present, in a scientific way, the several economic problems which characterize our industrial system. Emphasis is placed on the practical phases of economic study. Money and banking, foreign exchange, foreign trade and tariff legislation, the monopoly problem, the labor situation, and various schemes of economic reform constitute the chief topic of study.

Business Administration

c 6. ENGLISH OF COMMERCE. (See English c 6.)

c 7. INVESTMENTS.

PROFESSOR MATHERLY.	Credit, 1 course.
Prerequisites, Economics 1-2.	Fee, \$12.00.
	<i>25 assignments.</i>

A study of the various forms of investments with reference to their suitability for the different types of investors; the money market, its nature and the financial factors which influence the price movement of securities; elements of sound investments and

NOTE: School teachers working for certification credit may take Junior or Senior courses though they may have only Freshman or Sophomore standing.

NOTE: Unless otherwise stated in the descriptions of the courses, the "C" numbers are the same as in the University catalogue and also correspond to the "S" number in the Summer School catalogue.

methods of computing net earnings, amortization, rights, and convertibles. The aim will be to train the student so he may be able to act efficiently in a financial capacity either as borrower or lender, as investor or trustee, or as fiscal agent of a corporation. (No. 5 in University catalogue.)

c 8. BANKING AND BUSINESS.

PROFESSOR MURCHISON. Credit, 1 course.
 Fee, \$12.00.
27 assignments.

A practical study of banking from the business man's point of view. The principles and procedure involved in the making of loans and discounts, and in financing the various types of business transactions. The relation of the bank to community welfare; the economic principles governing the volume of bank credit, and the amount of currency in circulation. A detailed study of the Federal Reserve System, the Federal Farm Loan System, and the relationship between State and National banks.

Commerce

c 3. SALESMANSHIP.

PROFESSOR FERNALD. Credit, $\frac{1}{2}$ course.
 Fee, \$6.50.

This course will include a careful analysis of the psychology of selling; the qualifications of a good salesman, and their development; their relative value of suggestion, persuasion, and argument in securing decision, the scientific analysis of a sale—the preapproach, the approach, the demonstration, and consummation. Typical problems in selling at retail and wholesale and in marketing various types of specialties are presented.

c 5. ADVERTISING.

PROFESSOR FERNALD. Credit, 1 course.
 Fee, \$12.00

The course consists of a study of the psychological basis of advertising, the types of advertising, and their adaptation to the various lines of business, the relative value of the various advertising media, the mechanism of an advertisement, and methods of testing effectiveness. Attention is also given to the work of planning and executing an advertising campaign and checking up the results. Practical problems are a part of the course.

History

c 15. INDUSTRIAL HISTORY.

PROFESSOR SPRUILL. Credit, 1 course.
 Sophomore and Junior Fee, \$12.00.
 elective. *27 assignments.*

The purpose of this study is to lead the student through the channel of history into the field of modern economy. Our present economic system is presented as a product of evolutionary processes. Special emphasis is placed on the development of the wage system, the ebb and flow of business activity, the expansion of markets, the growth of capital, etc., as they have manifested themselves in English and American history.

SCHOOL OF EDUCATION

Principles of Education

c 2. PRINCIPLES OF SECONDARY EDUCATION.

PROFESSOR WALKER. Credit, $\frac{1}{2}$ course.

Junior and Senior elective. Fee, \$6.50.

20 assignments.

A study of the history, function, organization, management, program of studies, and internal equipment of the high school. Text-book, parallel reading, reports. This course parallels Education 51 in the University catalogue.

Methods of Education

c 3. HIGH SCHOOL METHODS.

PROFESSOR KNIGHT. Credit, $\frac{1}{2}$ course.

Junior and Senior elective. Fee, \$6.50.

10 assignments.

The course discusses the general principles of psychology and pedagogy which underlie the methods of teaching in the high school. Both pupils and subject matter are considered as factors in the development of self-directing and self-controlling individuals. This course parallels Education 52 in the University catalogue.

c 4. EDUCATIONAL PSYCHOLOGY.

PROFESSOR DASHIELL. Credit, 1 course.

Sophomore, Junior and Senior elective. Fee, \$12.00.

20 assignments.

The central topic to be the psychology of learning or improvement, especially in children. The basis of learning, the different sorts of learning, and the various factors that condition it, are major problems of the course. Assigned readings, problem-questions and experiments to be conducted by the student on children or others, are the methods used. Some previous knowledge of elementary principles of psychology is recommended but not required.

c 4a. EDUCATIONAL SOCIOLOGY. (See Sociology c 4a).

c 4b. EDUCATIONAL SOCIOLOGY. (See Sociology c 4b).

c 26. PUBLIC SCHOOL EDUCATION IN THE SOUTH.

PROFESSOR KNIGHT.

Credit, 1 course.

Fee, \$12.00.

25 assignments.

This course gives a historical survey of public school education in Southern States with especial attention to its development in organization, administration, and supervision since 1876. Present-day questions in rural education are studied in the light of their historical development, and attention is given to the educational reorganizations needed for the proper solution of the new rural life problems.

c 31. RURAL EDUCATION.

PROFESSOR KNIGHT.

Credit, 1 course.

Fee, \$12.00.

27 assignments.

This course is planned for teachers and prospective teachers and principals of rural or village schools, county superintendents, and supervisors. Consideration is given to the principal problems of rural education in the United States with special emphasis on conditions in North Carolina. Attention is given to importance and conditions of the rural school, and to plans for improving rural education. The curriculum, problems of support, administration, health, recreation, the county unit plan, and consolidation and transportation will be studied. This course parallels Education 31 in the general catalogue.

c 62b. EDUCATIONAL MEASUREMENTS (Elementary Course).

PROFESSOR TRABUE.

Credit, $\frac{1}{2}$ course.

Senior elective.

Fee, \$6.50.

16 assignments.

This is the second half of the course listed as Education 62 for students in residence. It consists of the practical application of the principles discussed in the first half, which the student may have taken either in the regular year or in summer session (Education s 62a). The work will include (1) the actual giving of certain specified tests to a group of at least 35 pupils in a classroom and (2) the interpretation and use of the resulting scores in the improvement of instruction in the classroom studied. Test blanks and supplies for this work may be purchased directly from the publishers or they will be supplied at cost by the Extension Division.

COLLEGE OF LIBERAL ARTS

English

c 1. FRESHMAN ENGLISH.

MR. LINDSEY AND MR.
HOWELL.

Credit, 1 course.

Fee, \$12.00.

24 assignments.

Intensive reading, chiefly in American prose; extensive reading among selected books and periodicals; constant written composition on topics related to the reading. Thus course parallels English 1 in the general catalogue.

c 3. SOPHOMORE ENGLISH.

PROFESSOR HIBBARD.

Credit, 1 course.

Fee, \$12.00.

26 assignments.

This course covers the same field as the first term of required sophomore English as outlined in the University catalogue. *The Great Tradition* is the text used and the period studied is from the Renaissance through the eighteenth century. The basis of the work is the study of representative selections illustrative of the life and thought of the time in which they were written. While this is a literature course primarily, no student will be given credit for the term's work unless he shows a creditable ease in the matter of English composition.

c 4. SOPHOMORE ENGLISH.

PROFESSOR DARGAN.

Credit, 1 course.

Fee, \$12.00.

27 assignments.

A continuation of English c 3 based on more recent work in English and American literature.

c 6. ENGLISH OF COMMERCE (Business English).

MR. HOWELL.

Credit, $\frac{1}{2}$ course.

Prerequisite, English 1.

Fee, \$6.50.

Sophomore, Junior, and Senior elective.

16 assignments.

A course in the vocabulary, forms, and literature of the business profession with special attention to letters of application and inquiry, routine, collection, adjustment and sales letters, business reports, and technical articles. Specimen letters are studied and criticized and actual business problems solved through written work. This course parallels English 20 under School of Commerce in University catalogue.

c 7. THE SHORT STORY.

PROFESSOR HIBBARD.

Credit, 1 course.

Junior and Senior elective.

Fee, \$12.00.

26 assignments.

A composition course primarily designed to offer students an opportunity for short story writing and to familiarize them with the form. The work of various European and American authors will be studied. This course parallels English 23 in the University catalogue.

c 8. MODERN DRAMA.

PROFESSOR ROYSTER.

Credit, $\frac{1}{2}$ course.

Fee, \$6.50.

15 assignments.

The main purpose of this course is to offer the student a general acquaintance with the chief tendencies of English and Continental drama of the past thirty years. The plays upon which the lesson assignments are based are printed in Dickinson's Chief Contemporary Dramatists, First Series.

c 16. ARGUMENTATION.

PROFESSOR MCKIE.

Credit, $\frac{1}{2}$ course.

Fee, \$6.50.

16 assignments.

A study of the principles of argumentation and practice in analyzing public questions and in collecting and arranging evidence.

Geology

c 1. INTRODUCTION TO GEOLOGY (Part A. Dynamical Geology).

PROFESSOR PROUTY.

Credit, 1 course.

Fee, \$12.00.

27 assignments.

This course deals with the physical geology of the Earth, its composition, structure, and the natural processes that are at work modifying it. In the laboratory work the student will take up the study of the common minerals and rocks, the interpretation of topographic maps, and earth features. Advantages will be taken of the local conditions for supervised field trips. Minerals, rocks, and maps will be furnished by the University at a nominal charge. (If materials are in good condition at end of course and are returned, the fee will be refunded).

c 21. INDUSTRIAL AND COMMERCIAL GEOGRAPHY.

PROFESSOR COBB.

Credit, 1 course.

Junior and Senior elective.

Fee, \$12.00.

27 assignments.

The course deals with man's interaction with his varying environment in the development of industries, and with the geographic conditions of different countries as giving rise to commerce. Sets of laboratory materials will be sent the student who pays an additional fee for same. (If materials are in good condition at end of course and are returned, the fee will be refunded).

Germanic Languages

c 21. ADVANCED GERMAN. (Introduction to the history of German literature).

PROFESSOR TOY.

Credit, 1 course.

Sophomore, Junior and

Fee, \$12.00.

Senior elective.

27 assignments.

Prerequisite, German 3-4 or one year of college German.

Lessing: Minna von Barnhelm; Schiller: Die Jungfrau von Orleans.

History

c 1. FOUNDATIONS OF MODERN HISTORY. Part I.

PROFESSOR CALDWELL. Credit, 1 course.

Required of all Freshmen. Fee, \$12.00.

27 assignments.

A general course dealing with the fundamental factors in modern civilization in Europe and the United States. The emphasis of the course will rest upon the commercial revolution, European expansion, the protestant revolt, colonial and dynastic rivalry, the Old Regime, the French Revolution, the industrial revolution, the rise of democracy, the growth of modern imperialism, and the course of modern international relations.

c 2. FOUNDATIONS OF MODERN HISTORY. Part II.

PROFESSOR GRAHAM. Credit, 1 course.

Required of all Freshmen. Fee, \$12.00.

Continuation of c 1. *27 assignments.*

c 14. MODERN EUROPEAN HISTORY.

PROFESSOR WAGSTAFF. Credit, 1 course.

Junior and senior elective. Fee, \$12.00.

31 assignments.

Course of study dealing with the primary factors that shaped European history from the close of the great religious war, 1648 (The Thirty Years War), to the present time. The present Europe will be interpreted by a study of the influences that gave its nations their present boundaries, their particular forms of government, and their national ideals and ambitions. Outline studies, texts, and reference readings. This course parallels History 14 in the University catalogue.

Latin

c 1. CICERO, DE SENECTUTE.

PROFESSOR Credit, 1 course.

Freshman elective. Fee, \$12.00.

25 assignments.

The course is concerned with the translating of Latin, with work in vocabulary, and with a review of the chief principles of grammar.

c 2. LATIN COMPOSITION.

PROFESSOR Credit, 1 course.

Freshman and Sophomore

elective. *27 assignments.*

The course will begin with translation into Latin of detached sentences illustrating the general principles of syntax and word-order; the second half will deal with continuous narrative and questions of diction and style.

Mathematics

c 3. COLLEGE ALGEBRA.

PROFESSOR HOBBS.

Credit, 1 course.

Required of Freshmen.

Fee, \$12.00.

44 assignments.

Treats the quadratic equation with a detailed discussion of the nature of its roots. Graphs are especially stressed. Determinants and their properties are gone into. Other topics, such as complex numbers, partial fractions, etc., are touched upon.

c 4. TRIGONOMETRY.

PROFESSOR LASLEY.

Credit, 1 course.

Required of Freshmen.

Fee, \$12.00.

25 assignments.

This course concerns itself with the definitions of the trigonometric functions and the relations between the functions, their relations to the large notion of angles, the application of the functions and the logarithmic tables to the solution of triangles on the plane.

c 51. THE TEACHING OF MATHEMATICS IN THE HIGH SCHOOL.

PROFESSOR HOBBS.

Credit, $\frac{1}{2}$ course.

Fee, \$6.50.

16 assignments.

A study of the content and arrangement of the material of high school mathematics in accordance with the recommendations of The National Committee on Mathematical Requirements.

Music

c 1. THEORY OF MUSIC (INTRODUCTORY).

PROFESSOR WEAVER.

Credit, $\frac{1}{2}$ course.

Fees, \$6.50.

16 assignments.

The rudiments of music, its structural elements in rhythm, melody, harmony, and form; simple exercises in reading and writing music.

Text, Gehrken's—Music Notation and Terminology.

c 10. HISTORY, OF MUSIC, Part I.

PROFESSOR WEAVER.

Credit, $\frac{1}{2}$ course.

Fees, \$6.50.

16 assignments.

Primitive music, the music of the early civilized countries (particularly Egypt, Greece, and Rome), the monophonic period, and the polyphonic period up to approximately the year 1600.
Text, *History of Music*, Stanford-Forsyth.

c 11. HISTORY OF MUSIC, Part II.

PROFESSOR WEAVER. Credit, $\frac{1}{2}$ course.
Fee, \$6.50.
16 assignments.

From approximately 1600 to the present time; the lives, work, and influence of the great musicians of the recent centuries, and tendencies in modern music. Number 10 should precede this course, but is not an absolute prerequisite. Text, same as for course No. 10.

c 20. HARMONY, ELEMENTARY.

PROFESSOR WEAVER. Credit, $\frac{1}{2}$ course.
Fee, \$6.50.
16 assignments.

Major and minor diatonic scales, intervals, triads and chords, harmonic progressions, cadences and sequences, inversions of chords, chord of the dominant seventh and its inversions, natural modulation, harmonization of basses, and melodies.
Text, *Harmony*, Part I, Anger.

c 21. HARMONY, ADVANCED.

PROFESSOR WEAVER. Credit, $\frac{1}{2}$ course.
Prerequisite, c 20 or equivalent. Fee, \$6.50.
16 assignments.

Secondary sevenths, chords of the ninth, derivatives of the dominant ninth, suspensions, auxiliary notes, extraneous modulation, harmonization of inner parts, basses, and melodies.
Texts, *Harmony*, Parts II and III, Anger.

c 30. PUBLIC SCHOOL MUSIC.

PROFESSOR WEAVER. Credit, 1 course.
Prerequisite, c 1. Fee, \$12.00.
27 assignments.

The place of music in the school; selection of material for different grades; the rote song; methods of approaching technical work; rhythmic and tonal drills; development of the child voices; brief comparison and discussion of texts adopted for use in this state. (s 1 in Summer School).
Text, *School Music Teaching*, Gehrkens.

Physics

c 1. GENERAL PHYSICS.

PROFESSOR PATTERSON.

Credit, $\frac{1}{2}$ course.

Sophomore, Junior and

Fee, \$6.50.

Senior elective.

16 assignments.

Prerequisite, Mathematics

1-2, or c 1 and c 2.

Mechanics of solids, liquids and gases; sound and heat.

Text-book, Kimball's College Physics. Problems.

NOTE: The second half of this course, largely the laboratory work, must be taken either in a regular or a summer session.

Psychology

c 1. GENERAL PSYCHOLOGY.

PROFESSORS ALLPORT AND

Credit, 1 course.

DASHIELL.

Fee, \$12.00.

Sophomore, Junior, and

27 assignments.

Senior elective.

The aim of the course is to present the essential phenomena of psychology, and the various methods of approach. Emphasis is placed on the organic relationships within the whole field.

c 4. EDUCATIONAL PSYCHOLOGY (See Education c 4).

Romance Languages

c 6. MASTERPIECES OF FRENCH LITERATURE.

PROFESSOR DEY AND ASSISTANTS.

Prerequisite, French 3-4,

Credit, 1 course.

and 5 in residence or two

Fee, \$12.00.

years of college French.

27 assignments.

This course covers the masterpieces of the 17th, 18th, and 19th centuries, with selections from Corneille, Racine, Molière, Beaumarchais, Voltaire, Lamartine, Victor Hugo, Alfred de Vigny, Rostand, etc.

c 8. FRENCH COMPOSITION.

PROFESSOR DEY AND ASSISTANTS.

Prerequisite, French 3-4 in

Credit, 1 course.

residence or one year of

Fee, \$12.00.

college French.

27 assignments.

The object of this course is to provide students with an opportunity to acquire practice in writing French.

Rural Social Science

c 1. ECONOMICS AND HISTORY OF AGRICULTURE.

PROFESSOR HOBBS.

Credit, 1 course.

Fee, \$12.00.

27 assignments.

The economics of agriculture. Historical sketch of agricultural development in the United States; Colonial agriculture, period of conquest, period of transformation, period of western expansion, period of reorganization. The economic and social areas of North Carolina.

c 2. LAND AND LABOR AS FACTORS OF AGRICULTURAL PRODUCTION.

PROFESSOR HOBBS.

Credit, 1 course.

Fee, \$12.00.

27 assignments.

Land. The land resources of the Nation by geographic areas. Land economics. How to economize land. Land resources of North Carolina. Labor. Economic characteristics of agricultural labor. Decreasing agricultural labor ratios. Labor and machinery in agriculture. The forms and types of farm labor in various areas. Conserving labor. Economizing labor. Ways of economizing labor in various areas of the Nation.

c 3. CAPITAL AND RURAL CREDITS.

PROFESSOR HOBBS.

Credit, 1 course.

Fee, \$12.00

27 assignments.

Capital, credit, and agencies. Forms of agricultural capital: In Europe; in the South. The crop-lien, time-credit, supply-merchant system. Coöperative credit unions in Europe. Coöperative credit unions in the United States, and especially in North Carolina. The Federal Farm Loan Act. Building and loan associations for farmers.

c 4. FARM TENANCY.

PROFESSOR HOBBS.

Credit, 1 course.

Fee, \$12.00

27 assignments.

Facts about farm tenancy in the Nation, and especially in the South. Origin and growth of tenancy, especially in the South. Types of tenancy. Economic advantages and disadvantages. Social effects. Remedies: In Denmark; in New Zealand, Australia, California, and the South. References; N. C. Club Year-Book 1921-22; field surveys in three typical areas in North Carolina, covering 1,000 farms; files of the Department of Rural Social Economics, University of North Carolina, containing the best collection of information on tenancy in any library.

c 20. NORTH CAROLINA: ECONOMIC AND SOCIAL.

PROFESSOR HOBBS.

Credit, 1 course.

Fee, \$12.00

27 assignments.

This course is designed to familiarize the student with North Carolina: Population, agriculture, resources, social life, economic development, industry.

c 21. AGRICULTURAL CO-OPERATION.

PROFESSOR HOBBS.

Credit, 1 course.

Fee, \$12.00

27 assignments.

History of agricultural coöperation, principles of coöperation, coöperative organizations, rural credits, and coöperative marketing.

SCHOOL OF PUBLIC WELFARE

Sociology

c 1. COMMUNITY ORGANIZATION.

PROFESSOR STEINER.

Credit, $\frac{1}{2}$ course.

Freshman, Sophomore,

Fee, \$6.50.

Junior, and Senior

16 assignments.

elective.

Principles of collective behavior and social control in their application to problems of community work. Analysis of different types of communities. Technique of community diagnosis. Fundamental factors involved in community organization. Evaluation of methods of community work. Study of examples of successful experiments in community organization. This is a professional course designed primarily for teachers, social workers, county superintendents of public welfare, and others interested in community work. This course parallels Sociology 8 in the University catalogue.

c 2. PRINCIPLES OF SOCIOLOGY.

PROFESSOR MEYER.

Credit, 1 course.

Junior and Senior elective.

Fee, \$12.00.

26 assignments.

The purpose of this course is to give the student a working knowledge of the general principles of sociology and to teach him to apply, to some extent, these principles to some of the social problems about us. The text used gives a good outline of one author's conception of the facts involved in the association of people together. The course contains a system of sociology. Studies are made of: The Social Population, Social Forces, Social Processes; Social Products and Sociological Principles. Text: Ross—Principles of Sociology, together with supplementary readings.

c 4a. EDUCATIONAL SOCIOLOGY.

PROFESSOR ODUM.

Credit, $\frac{1}{2}$ course.

Junior and Senior elective.

Fee, \$6 50.

16 assignments.

Standards of measurements of progress. Survey of sociological principles involved in their application in education, politics, government, social work. The effective use of sociology in directing and controlling group progress, social institutions, democracy, and in the development of the total social personality of the individual. The coördination of institutional modes of activity and the enrichment thru coöperation, of social organization. This subject is divided into two half-courses. This, the first half-course, deals with the study of standards of individual excellence and a study of the institutions—home and family, school and education, church and religion, state and government, community and association, industry and work—as educational forces in developing the social objectives of education.

c 4b. EDUCATIONAL SOCIOLOGY.

PROFESSOR ODUM. Credit, $\frac{1}{2}$ course.

Junior and Senior elective. Fee, \$6.50.

16 assignments.

This is Part II of Educational Sociology c 4a, and deals with the social objectives of education and of the school subjects.

c 12. CRIME AND ITS SOCIAL TREATMENT.

PROFESSOR STEINER. Credit, 1 course.

Junior and Senior elective. Fee, \$12.00.

27 assignments.

Nature of crime; extent of crime; causes of crime; criminal law and procedure; theories and methods of punishment; the prison system; substitutes for imprisonment, problems of prison administration; the prevention of crime.

c 24. COMMUNITY PLAY AND RECREATION.

PROFESSOR MEYER. Credit, $\frac{1}{2}$ course.

Fee, \$6.50.

15 assignments.

A theoretical and practical course designed to aid school teachers, social workers, and community leaders along play and recreational lines. General place of recreation and play in the social order. A study of the theories of play, taking the natural instinct as a basis. Hunting and fighting plays, homing plays, fire and water plays. Sex differences—concentration and separation. The playground. Equipment. Games and game analysis. Festivals. General recreation. Plays. Pageants. Story telling. Holidays. Making programs. Obtaining funds for equipment. General trends. Play and education. Play and democracy.

ADVANTAGES OF CORRESPONDENCE STUDY

Correspondence study offers unusual advantages for individual study. The powers of initiative, concentration, and self-reliance and the habit of study are developed to a degree not found in the class-room, because in correspondence study the student is constantly thrown upon his own resources and recites all of each lesson. The processes involved in the singling out of the essential points and the elimination of the non-essential, the organization of one's thoughts regarding the entire lesson and transferring this organized thought to written form in good, clear, concise English, are the processes which make this form of study so valuable. It must be clear to anyone familiar with the class-room that such processes are not possible there because of physical impediment. For these reasons, the late Dr. William R. Harper, of the University of Chicago, said: "The work done by correspondence is even better than that done in the class-room." President Roosevelt also gave this movement of modern times his approval by saying that in his opinion it was one of the remarkable improvements of the age.

By continuing correspondence study with an occasional summer term any teacher may, in a comparatively short time, earn a life certificate and thus materially add to his culture and earning capacity.

Students may take courses by correspondence while engaged in their work at full salary, and by employing their spare moments earn credits toward a degree or a teacher's certificate, or both, and increase their efficiency and earning capacity.

When correspondence instruction courses are taken all the resources of the University, and particularly of the School of Education, the Library and the Extension Division, are freely placed at the student's disposal. Every possible effort is made to be of the greatest personal as well as professional help. The limit of such assistance is set by the appeal for it and the physical ability to supply it. The whole spirit of this work is the spirit of service; its limits, therefore, are not the limits of the spirit but of the body.

II. BUREAU OF LECTURES AND ENTERTAINMENTS

The University conducts a lecture bureau for the purpose of aiding schools, women's clubs, Rotary and Kiwanis clubs, and other organizations in obtaining speakers to discuss with them the problems incident to their daily activities and to interest them in those things which look to the upbuilding of the State and the cultivation of the finer things of the spirit. Addresses for special occasions such as school and college commencements are also supplied upon application.

No fee for lecture service is charged but the traveling and incidental expenses of the lecturer are defrayed by the organization for which the lecture is made.

Each year the division publishes a bulletin containing full information as to subjects and lectures, copies of which can be secured upon application.

Lyceum courses, dramatic and musical companies, and entertainments may be contracted for through this bureau.

III. SHORT COURSES IN INSTITUTES

Occasionally there are held at the University short courses for teachers of community schools for adults, community service directors, and welfare workers. Also occasionally institutes and conferences are arranged in coöperation with other organizations in the state on good roads, country life, and state and county council.

Organizations or groups of workers wishing the Extension Division to arrange a short course, institute or special meeting for them, should write to this bureau. Community or county institutes consisting of special lecture programs and group conferences will be set up in any community or county upon request, expenses to be defrayed by the local organizations.

IV. PUBLIC DISCUSSION

The aim of the Bureau of Public Discussion is to promote public discussion on live, up-to-date questions and to furnish information on current political, social and economic problems, as well as to encourage and assist in the study of good literature. The Bureau of Public Discussion is divided into six sections.

The Package Library Section serves as a background for all the work of the Bureau of Public Discussion. Pamphlets, clippings, and books on a given subject, assembled in a convenient form for mailing, constitute a package library.

The Women's Clubs Section prepares programs for sustained study by women's organizations. In the case of clubs following the printed programs a fixed charge is made.

The Parent Teacher Association Section encourages the organization of such associations and assists them in the preparation of programs. An Extension Bulletin containing sixty suggested programs has recently been issued.

Other Sections of this Bureau are as follows: Group Discussion, General Information, and Home Reading Courses.

V. BUREAU OF COMMUNITY DRAMA

The bureau aims to encourage the writing of original plays drawn from tradition and local history and also from the present-day life of the people. The services of a trained dramatic director will be supplied, where practicable, either to produce a play or to give advice concerning the final details of scenery, costuming, make-up, etc. Field agents will be sent out to advise concerning stage construction and equipment.

The bureau will undertake the direction of the writing of communal plays based on history and tradition. It will aid any community in securing an expert dramatic director who will take entire charge of the production if desired. The Library Extension Service may be utilized by any citizen of the state in selecting plays and pageants and procuring reference books on production, as well as historical material for the writing of community pageants and plays.

VI. COMMERCIAL AND INDUSTRIAL RELATIONS

This bureau is under the supervision of the School of Commerce of the University. The members of the staff are glad to coöperate with the manufacturing, banking, and commercial interests of the State in the solution of any problems which may be brought to their attention. Laboratories, statistical information, research methods, interpretative devices,

and expert opinion are available for use by any worthy individual or organization. Problems may be submitted for study and opinion, or arrangements may be made for a member of the staff to visit the establishment or community for first-hand observation and study.

VII. BUREAU OF COMMUNITY MUSIC

The head of the Department of Music is available for the following services: 1. Leadership for community sings; 2. formation of community choruses; 3. lectures on public school and community music; 4. piano and organ recitals.

VIII. MUNICIPAL INFORMATION AND RESEARCH

This bureau is maintained by the School of Public Welfare and answers are given to specific inquiry with reference to legislation, charters, and other matters of interest. Through the Library Extension Service bibliographies, reading lists, and books on municipal subjects are loaned. The bureau also undertakes in a small way to advise with town and interested individuals concerning special problems, and to direct them to sources of assistance.

IX. RURAL SOCIAL ECONOMICS

Before a definite movement is inaugurated to upbuild a county or community from an economic and social standpoint, it is necessary to have at hand an accurate summary of existing facts. What is known as the "social survey" is the best method for securing such facts.

The Department of Rural Social Science of the University for years has been collecting data on social and economic conditions in North Carolina. This material is available through loans from the library, articles in the *News Letter*, and bulletins which record the results of a number of county economic and social surveys. The *News Letter*, which is edited by this department, appears fifty times each year.

During the year a large number of county and State-wide studies are made involving no small amount of time and drudgery, and thousands of letters are written in answer to inquiries about life and business in North Carolina.

X. COMMUNITY DEVELOPMENT

The Bureau of Community Development offers service along the line of community organization, recreation, student service, and child welfare. The School of Public Welfare is in charge of this work. Bibliographies and reading lists on the subject of sociology, community organization, etc., are provided upon request. Plans for community councils and coöperative work are suggested when desired. The services of field agents are available to visit towns with reference to special programs of recreation or community development.

XI. HIGH SCHOOL DEBATING AND ATHLETICS

The University Extension Division through this bureau offers a stimulating service to the high schools of the State in debate and athletics. The High School Debating Union is the medium through which assistance is offered in debate, and the high school athletic contests, five in number, provide the avenue for assistance in the development of athletics.

The High School Debating Union was organized in 1912-13 and has rounded out ten years of successful service. Two hundred and fifty high schools, grouped in triangles, discuss some important question each year. The schools winning both debates send their teams to the University to compete during high school week in the final contest for the Aycock Memorial Cup.

In the annual state championship contests a large number of schools enter divided as follows: Football 27, basket-ball 44, baseball 36, track 15, and tennis 12. In each contest when the eastern and western sectional championship has been decided these two teams come to the University and play for state honors.

XII. DESIGNS AND IMPROVEMENTS OF SCHOOL GROUNDS

The principal function of the Bureau of Design and Improvement of School Grounds is to promote the beautification of public school grounds in North Carolina. However, designs and planting plans will also be prepared for church schools, churches, and charitable institutions.

The work of this bureau is carried on by visits of a field agent upon request, the preparation of specific plans, and the sending out of bulletins.

XIII. EDUCATIONAL INFORMATION AND ASSISTANCE

This bureau is maintained through the coöperation of the School of Education. The several members of the faculty of the School offer to the State the following lines of service: Educational tests and measurements; school surveys; teachers' appointments; advice and counsel with reference to school buildings, equipment, and general administrative problems.

PART IV—COURSES OF INSTRUCTION



NOTES ON THE METHOD OF NUMBERING COURSES

The courses described in this section of the catalogue are those offered in The College of Liberal Arts, in The School of Applied Science, and in The Graduate School.

For courses offered in The School of Education see page 158.

For courses offered in The School of Commerce see page 171.

For courses offered in The School of Engineering see page 144.

For courses offered in The School of Law see page 204.

For courses offered in The School of Medicine see page 215.

For courses offered in The School of Pharmacy see page 226.

For courses offered in The Summer School see page 238.

Courses with a double number are completed in two quarters and in general credit will not be given until both quarters have been completed. Certain of these courses meet only three times a week and count as one course; for example, History 11-12. Courses which meet five times a week for two quarters carry a credit of two courses; for example, Economics 1-2.

Courses with three numbers require three quarters to complete. Those meeting five times a week carry a credit of three courses; for example, Botany 4-5-6. Those meeting only three times a week carry a credit of one and a half courses; for example, English 13-14-15.

DEPARTMENT OF BOTANY

WILLIAM CHAMBERS COKER, Ph.D., *Kenan Professor of Botany.*

HENRY ROLAND TOTTEN, A.M., *Instructor in Botany.*

JOHN NATHANIEL COUCH, A.M., *Instructor in Botany.*

Assistants in Botany, 1922-1923

ETTA PIERSON.

ALMA HOLLAND.

JOHN WESLEY DEYTON

(For description of Biological Laboratories, see page 50).

Courses for Undergraduates

1. GENERAL BOTANY.

PROFESSOR COKER AND	Credit, 1 course.
MESSRS. TOTTEN, COUCH	<i>Six hours a week.</i>
AND DEYTON.	<i>Fall or Spring Quarter.</i>
Freshman, Sophomore,	<i>Laboratory fee, \$4.00.</i>
Junior, and Senior	
elective.	

An introduction to the structure and classification of plants.
Lectures with laboratory and field work.

2. STRUCTURE AND CLASSIFICATION OF SEED PLANTS.

PROFESSOR COKER AND MR.	Credit, 1 course.
TOTTEN.	<i>Five hours a week.</i>
Sophomore, Junior, and	<i>Spring quarter.</i>
Senior elective.	<i>Laboratory fee, \$4.00.</i>
Prerequisite: Botany 1.	

Structure and classification of Seed Plants with special attention
to agricultural problems.

3. For description of Course 3, see School of Pharmacy.

Courses for Graduates and Advanced Undergraduates

4-5-6. SPECIAL MORPHOLOGY OF THE FUNGI.

PROFESSOR COKER AND	Credit, 3 courses.
MESSRS. TOTTEN AND	<i>Five hours a week.</i>
COUCH.	<i>Fall, Winter, and Spring Quarters.</i>
Prerequisite: Botany 1.	<i>Laboratory fee, \$4.00 a quarter.</i>

Special Morphology of the Fungi with special attention to plant diseases, the culture of the lower fungi, and the identification of mushrooms. Lectures with laboratory and field work. (Credit will be given for any quarter.) These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition.

8. HISTORY OF BOTANY.

PROFESSOR COKER.	Credit, $\frac{1}{2}$ course.
Prerequisite: Two courses	<i>Three hours a week.</i>
in botany.	<i>Winter Quarter.</i>

Lectures, readings, and reports.

Courses Primarily for Graduates

107-108-109. PLANT MORPHOLOGY.

PROFESSOR COKER.

Credit, 3 courses.

*Five hours a week.**Fall, Winter, and Spring Quarters.**Laboratory fee, \$4.00 a quarter.*

Advanced work in the embryology and anatomy of plants. The student is required to collect and prepare material for the microscopic study of special problems. Theses. These courses may be continued under the same numbers for more than one year as the subject advances, credit being given for each repetition.

110-111-112. GRADUATE RESEARCH.

PROFESSOR COKER.

Laboratory fee, \$4.00 a quarter.

Original work, with thesis, under the guidance of the instructor. This course may cover most of the work of the student for several years, credit being given each year in accordance with the work done.

DEPARTMENT OF CHEMISTRY

JAMES MUNSIE BELL, Ph.D., *Smith Professor of Chemistry.*FRANCIS PRESTON VENABLE, Ph.D., D.Sc., LL.D., *Kenan Professor of Chemistry.*ALVIN SAWYER WHEELER, Ph.D., *Professor of Organic Chemistry.*JAMES TALMAGE DOBBINS, Ph.D., *Associate Professor of Chemistry.*FRANK CARL VILBRANDT, Ph.D., *Associate Professor of Industrial Chemistry.*HAYWOOD MAURICE TAYLOR, M.S., *Instructor in Chemistry.*SAMUEL CLEMENT SMITH, A.M., *Instructor in Chemistry.*HORACE DOWNS CROCKFORD, B.S., *Instructor in Chemistry.*

Teaching Fellows in Chemistry, 1922-1923

ERNST OTTO MOEHLMANN, B.S.

JOE LEVY McEWEN, B.S.

WILLIAM BRITTINGHAM SMOOT, B.S.

JOHN ALPHEUS BENDER, B.S.

Assistants in Chemistry, 1922-1923

HOWELL GRADY PICKETT.

THOMAS KENT THOMAS.

GRADY HILL LEONARD.

(For description of Chemical Laboratories, see page 50).

Courses for Undergraduates

1-2. GENERAL DESCRIPTIVE CHEMISTRY.

PROFESSOR VENABLE, Credit, 2 courses.
 MESSRS. SMITH, CROCKFORD, *Six hours a week.*
 McEWEN, SMOOT, BENDER, *Fall and Winter Quarters.*
 PICKETT, AND THOMAS. *Laboratory fee, \$4.00.*

An introduction to the study of the principal non-metallic and metallic elements and their compounds. Lectures with laboratory work.

1-2E. GENERAL DESCRIPTIVE CHEMISTRY.

PROFESSOR BELL, Credit, 2 courses.
 MESSRS. SMITH, CROCKFORD, *Six hours a week.*
 McEWEN, SMOOT, BENDER, *Fall and Winter Quarters.*
 PICKETT, AND THOMAS. *Laboratory fee, \$4.00 a quarter.*

An introduction to the study of the principal non-metallic and metallic elements and their compounds with special emphasis on problems. Required of B. S. students. Lectures with laboratory work.

8. CHEMICAL EQUATIONS.

PROFESSOR DOBBINS. Credit, 1 course.
 Prerequisite, Chemistry *Five hours a week.*
 41-42. *Spring Quarter.*

A detailed study of the reactions of the elements and their compounds. Lectures and text-books.

21-22-23. RESEARCH FOR SENIORS.

PROFESSORS BELL, VENABLE, Credit, 3 courses.
 WHEELER, DOBBINS, AND *Six hours a week.*
 VILBRANDT. *Fall, Winter, and Spring Quarters.*
 Prerequisite, Chemistry *Laboratory fee, \$10.00 a quarter.*
 45-46-47, 61-62, 81-82.

31. QUALITATIVE ANALYSIS.

PROFESSOR DOBBINS AND Credit, 1 course.
 MESSRS. TAYLOR AND *Five hours a week.*
 MOEHLMANN. *Fall or Spring Quarter.*
 Prerequisite, Chemistry 1-2. *Laboratory fee, \$10.00.*
 Laboratory work and lectures.

35. ANALYTICAL CHEMISTRY.

PROFESSOR DOBBINS, Credit, 1 course.
 MESSRS. TAYLOR AND *Five hours a week.*
 MOEHLMANN. *All Quarters.*
 Prerequisite Chemistry 1-2 *Laboratory fee, \$10.00.*

A course in analytical methods gravimetric and volumetric. Open only to students in the S. B. IV, Premedical, and Pharmacy courses.

41. ELEMENTARY QUANTITATIVE ANALYSIS.

PROFESSOR DOBBINS AND Credit, 1 course.
MR. LEONARD. *Five hours a week.*
Prerequisite, Chemistry 31. *Fall Quarter.*
 Laboratory fee, \$10.00.

Gravimetric Analysis. Laboratory work, lectures, and stoichiometric exercises.

42. ELEMENTARY QUANTITATIVE ANALYSIS.

PROFESSOR DOBBINS AND Credit, 1 course.
MR. LEONARD. *Five hours a week.*
Prerequisite, Chemistry 41. *Winter Quarter.*
 Laboratory fee, \$10.00.

Volumetric Analysis. Laboratory work, lectures, and stoichiometric exercises.

47. OPTICAL METHODS OF ANALYSIS.

PROFESSOR VILBRANDT. Credit, 1 course.
Prerequisite, Chemistry *Five hours a week.*
41-42. *Spring Quarter.*
 Laboratory fee, \$7.00.

Spectroscopic, Microscopic, and Microchemical Methods.

61. ORGANIC CHEMISTRY.

PROFESSOR WHEELER AND Credit, 1 course.
MR. McEWEN. *Five hours a week.*
Prerequisite, Chemistry 31. *Spring Quarter.*
 Laboratory fee, \$7.00.

The Aliphatic Series. Required of students in the S.B. I, S.B. IV, and Pre-medical courses.

Courses for Advanced Undergraduates and Graduates**11. INDUSTRIAL CHEMISTRY.**

PROFESSOR VILBRANDT Credit, 1 course.
Prerequisite Chemistry *Five hours a week.*
1-2 and 61. *Fall Quarter.*
 Laboratory fee, \$7.00.

The methods and economics of the inorganic chemical industries; lectures and laboratory work.

12. INDUSTRIAL CHEMISTRY.

PROFESSOR VILBRANDT Credit, 1 course.
Prerequisite, Chemistry 11 *Five hours a week.*
 Winter Quarter.
 Laboratory fee, \$7.00.

The methods and economics of the organic chemical industries; lectures and laboratory work.

13. CHEMISTRY OF FOODS.

PROFESSOR VILBRANDT. Credit, 1 course.
Prerequisite, Chemistry Five hours a week.
1-2. Spring Quarter.

Digestion processes, and the composition, preservation, adulteration, and industrial production of foods.

18. HISTORY OF CHEMISTRY.

PROFESSOR VENABLE. Credit, $\frac{1}{2}$ course.
Prerequisite, Chemistry Three hours a week.
61-62, 81-82. Spring Quarter.

History of Chemistry, with discussion of the development of chemical theories.

45. TECHNICAL QUANTITATIVE ANALYSIS.

PROFESSOR VENABLE. Credit, 1 course.
Prerequisite, Chemistry Five hours a week.
41-42. Fall Quarter.
Laboratory fee, \$7.00.

Water, Oil, Fuel, and Gas Analysis.

46. TECHNICAL QUANTITATIVE ANALYSIS.

PROFESSOR VILBRANDT. Credit, 1 course.
Prerequisite, Chemistry Five hours a week.
41-42. Winter Quarter.
Laboratory fee, \$7.00.

Iron, Steel, Cotton Products, Fertilizers, and miscellaneous materials.

62. ORGANIC CHEMISTRY.

PROFESSOR WHEELER AND MR. McEWEN. Credit, 1 course.
Five hours a week.
Prerequisite, Chemistry 61. Fall Quarter.
Laboratory fee, \$7.00.

The Carbocyclic and Heterocyclic Series.

63. IDENTIFICATION OF PURE ORGANIC COMPOUNDS.

PROFESSOR WHEELER. Credit, 1 course.
Prerequisite, Chemistry 62. Five hours a week.
Spring Quarter.
Laboratory fee, \$7.00.

Lectures and laboratory.

64. CHEMISTRY OF DYESTUFFS.

PROFESSOR WHEELER. Credit, 1 course.
Prerequisite, Chemistry 62. Five hours a week.
Winter Quarter.
Laboratory fee, \$7.00.

Lectures and laboratory.

81. PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 1 course.
 Prerequisite Chemistry *Five hours a week.*
 41-42. *Winter Quarter.*
Laboratory fee, \$4.00.

Study of the properties of solids, liquids, and gases, and of their relation to chemical constitution.

82. PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 1 course.
 Prerequisite, Chemistry 81. *Five hours a week.*
Spring Quarter.
Laboratory fee, \$4.00.

The theory of solutions.

83. PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 1 course.
 Prerequisite, Chemistry *Five hours a week.*
 81-82. *Fall Quarter.*

The methods of physical chemistry as applied to industrial processes. Lectures and text-books.

84. PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 1 course.
 Prerequisite, Chemistry *Five hours a week.*
 81-82. *Spring Quarter.*

Electrochemistry. Lectures and text-books.

Courses Primarily for Graduates

114-115-116. ADVANCED TECHNICAL CHEMISTRY.

PROFESSOR VILBRANDT. Credit, 1½ courses.
 Prerequisite, Chemistry *Fall, Winter, and Spring Quarters.*
 11-12-13.

Seminar Course: readings and discussions of recent advances in Technical Chemistry. This course extends throughout the year.

117-118-119. RESEARCH IN INDUSTRIAL CHEMISTRY.

PROFESSOR VILBRANDT. Credit, 3 courses.
Fall, Winter, and Spring Quarters.
Laboratory fee, \$10.00 a quarter.

This course (or 127-128-129 or 177-178-179 or 197-198-199) is intended for applicants for advanced degrees. Laboratory work with frequent conference with the professor and reference to the literature relating to the subject of research. The subject of research must be assigned or approved by the professor. This course extends throughout the year.

124-125-126. ADVANCED INORGANIC CHEMISTRY.

PROFESSOR VENABLE. Credit, $1\frac{1}{2}$ courses.
Prerequisite, Chemistry 8. *Fall, Winter, and Spring Quarters.*
Seminar Course: readings and discussions of recent advances in inorganic chemistry. This course extends throughout the year.

127-128-129. RESEARCH IN INORGANIC AND ANALYTICAL CHEMISTRY.

PROFESSOR VENABLE. Credit, 3 courses.
Fall, Winter, and Spring Quarters.
Laboratory fee, \$10.00 a quarter.

The statements made in regard to course 117-118-119 apply also to this course.

174-175-176. ADVANCED ORGANIC CHEMISTRY.

PROFESSOR WHEELER. Credit, $1\frac{1}{2}$ courses.
Prerequisite, Chemistry 63 and 64. *Fall, Winter, and Spring Quarters.*

Seminar Course: readings and discussions of special chapters in organic chemistry. This course extends throughout the year.

177-178-179. RESEARCH IN ORGANIC CHEMISTRY.

PROFESSOR WHEELER. Credit, 3 courses.
Fall, Winter, and Spring Quarters.
Laboratory fee, \$10.00 a quarter.

The statements made in regard to course 117-118-119 apply also to this course.

194-195-196. ADVANCED PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, $1\frac{1}{2}$ courses.
Prerequisite, Chemistry 83 and 84. *Fall, Winter, and Spring Quarters.*

Seminar Course: readings and discussions of recent advances in physical chemistry. This course extends throughout the year.

197-198-199. RESEARCH IN PHYSICAL CHEMISTRY.

PROFESSOR BELL. Credit, 3 courses.
Fall, Winter, and Spring Quarters.
Laboratory fee, \$10.00 a quarter.

The statements made in regard to course 117-118-119 apply also to this course.

The Alembic Club meets weekly for the discussion of current literature. The current Journals, American, English, German, and French, both the purely scientific and the technical are reviewed by the students and instructors. Attendance is expected of students in advanced courses.

DEPARTMENT OF COMPARATIVE LITERATURE

EDWIN GREENLAW, Ph.D., *Kenan Professor of English, Chairman.*

WALTER DALLAM TOY, M.A., *Professor of the Germanic Languages and Literatures.*

GEORGE HOWE, Ph.D., *Professor of the Latin Language and Literature.*

WILLIAM MORTON DEY, Ph.D., *Professor of the Romance Languages and Literatures.*

FREDERICK HENRY KOCH, A.M., *Professor of Dramatic Literature.*

NORMAN FOERSTER, A.M., *Professor of English.*

WILLIAM STANLEY BERNARD, A.M., *Professor of Greek.*

HENRY McCUNE DARGAN, Ph.D., *Associate Professor of English.*

HOWARD RUSSELL HUSE, Ph.B., *Assistant Professor of Romance.*

The province of courses in this department is indicated by the following aims: 1. To acquaint students with significant periods in the development of human culture through the medium of literature considered without regard to national or linguistic bounds. 2. To study, through translations, the chief literary masterpieces other than English, ancient and modern. 3. To gain some acquaintance with the special traits of various nationalities as revealed in their literatures, thus supplementing the study of history and of the various languages, and contributing to a better understanding of international relationships.

Students majoring in Comparative Literature must fulfill the following requirements:

(a) Three courses chosen from the following list, of which course 14 must be one: 14, 15, 16, 31, 32.

(b) Three additional courses in the department.

(c) Two Junior-Senior electives in one of the language and literature departments: Greek, Latin, English, German, Romance.

Knowledge of the original language of the literature concerned is an advantage but is not required in undergraduate

courses unless specified in the description of the course. A reading knowledge of at least one language other than English is, however, required in all cases. Graduate courses require a knowledge of the language of the literature studied in the course.

Candidates for honors in Language and Literature will be required to complete with distinction a major in Comparative Literature, with an essay involving the study of at least one literature other than English, and with a reading knowledge of that language.

Courses for Undergraduates

14. GREEK LITERATURE.

PROFESSOR BERNARD. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
 Open to Sophomores by permission. *Fall Quarter.*

A study of masterpieces of Greek literature in English translation, with special reference to the contribution of Greek civilization to modern thought.

15. LATIN LITERATURE.

PROFESSOR HOWE. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
 Open to Sophomores by permission. *Winter Quarter.*

A study of masterpieces of Latin literature in English translation, with special reference to the contribution of Roman civilization to modern thought.

16. EUROPEAN LITERATURE IN THE MEDIEVAL PERIOD.

PROFESSOR GREENLAW. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
Spring Quarter.

A study of the medieval mind as reflected in masterpieces of literature, of the value of these masterpieces as elements in modern culture, and of certain modern versions of medieval story. Material read is selected from the early heroic poetry, such as *Beowulf*, the *Nibelungenlied*, and the sagas; metrical romance, such as the *Song of Roland* and the Arthurian romances in France and England; Malory; Celtic romance; and the poetry of Dante.

Given in 1922-1923 and in alternate years.

31. GERMAN LITERATURE SINCE 1600.

PROFESSOR TOY. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
Winter Quarter.

Lectures will be given on the development of German life and literature from 750 A.D. to the special period embraced in this course, and during the Quarter there will be lectures on later literary movements and on the authors whose works are read. The reading will be taken from the works of Klopstock, Lessing, Goethe, Schiller, the Storm and Stress writers, the Romantic School, and a selection of 19th century writers after 1832. In some cases the selection of authors to be read will depend upon the possibility of obtaining reliable English translations.

32. FRENCH LITERATURE SINCE 1600.

PROFESSOR DEY. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
Spring Quarter.

A survey of French literature since 1600. Lectures on the history of the literature from the Renaissance to the present time, with special reference to the classical period and romanticism. Assigned reading in the history of the literature and the masterpieces of the last three centuries, so far as they can be procured in English translation.

36. GREEK DRAMATIC LITERATURE.

PROFESSOR BERNARD. Credit, 1 course.
Five hours a week.
Spring Quarter.

A course designed to embrace the origin, development, technique and content of the entire Greek Drama, with emphasis on the tragedy as one interpretation of Greek life and thought as a contribution to world progress.

Courses for Graduates and Advanced Undergraduates

51. THE LATIN EPIC.

PROFESSOR HOWE. Credit, 1 course.
Five hours a week.
Spring Quarter.

The history of Latin Epic; detailed study of the *Aeneid*.

52. THE POETRY OF OVID.

PROFESSOR HOWE. Credit, 1 course.
Five hours a week.
Winter Quarter.

The reading in English of Ovid's complete works with detailed study of the *Metamorphoses*.

53. PLATO.

PROFESSOR BERNARD.

Credit, 1 course.

Junior and Senior elective.

*Five hours a week.**Winter Quarter.*

A course designed to lead the student into Platonic philosophy and literary criticism.

56. DANTE.

PROFESSOR HUSE.

Credit, 1 course.

*Five hours a week.**Fall Quarter.*

The *Vita Nuova* and the *Divine Comedy*; the precursors of Dante, and the poets of the *dolce stil nuovo*. Special studies of Dante's political and social philosophy, with particular emphasis on Dante as a poet and as a guide.

61. THE RENAISSANCE.

PROFESSOR GREENLAW.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

An introduction to the literature of the Renaissance in Europe, with some attention to the history of learning in that period. Given in 1923-1924 and in alternate years.

66. THE NOVEL IN THE NINETEENTH CENTURY.

PROFESSOR DARGAN.

Credit, 1 course.

Sophomore, Junior and

Five hours a week.

Senior elective.

Spring Quarter.

A survey of the development of the English novel during the nineteenth century, with attention to parallel developments in French and Russian fiction. Special studies will be made of Scott, Thackeray, George Eliot, and George Meredith; considerable reading will be required in the work of Balzac, Turgenieff and Tolstoy.

(To be omitted 1923-1924).

68. COMPARATIVE DRAMA.

PROFESSOR KOCH.

Credit, 1 course.

*Five hours a week.**Winter Quarter.*

A general survey of the drama and the theatre from Aeschylus to Ibsen. The development of dramatic literature is studied through representative plays of the leading European dramatists.

69. COMPARATIVE DRAMA.

PROFESSOR KOCH.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

A brief consideration of the early English drama and a study of the folk tradition in more recent times—especially in Ireland.

Particular attention is paid to the Celtic Renaissance—to the rediscovery of the Irish legends, and the work of Yeats, Synge, Lady Gregory, St. John Ervine, and others. Consideration is given to the beginnings of a new folk drama in America. Given in 1922-1923 and in alternate years.

71. THE MODERN DRAMA.

PROFESSOR KOCH.

Credit, 1 course.

Five hours a week.

Spring Quarter.

A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. Given in 1923-24 and in alternate years.

78. LITERARY CRITICISM.

PROFESSOR FOERSTER.

Credit, 1 course.

Five hours a week.

Fall Quarter.

Through a study of such literary critics as Plato, Aristotle, Horace, Coleridge, Wordsworth, Henry James, and Croce, this course aims to render clear the principles of classical, pseudo-classical, romantic, and realistic art, and to consider the possibility of an absolute criterion for the evaluation of literature.

90. THESIS COURSE.

Credit, 1 course.

Open only to candidates for honors.

Courses Primarily for Graduates

117. THE ROMANTIC MOVEMENT.

PROFESSOR FOERSTER.

Credit, 1 course.

Prerequisite, English 51
or an equivalent.

Five hours a week.

Winter Quarter.

An historical survey of the origins of romanticism on the continent and in England, and a critical analysis of its artistic and philosophic ideals as they were developed by certain English romanticists.

Given in 1922-1923 and in alternate years.

141. RESEARCH IN A SPECIAL FIELD UNDER THE DIRECTION OF A MEMBER OF THE DEPARTMENT.

DEPARTMENT OF ECONOMICS

DUDLEY DEWITT CARROLL, M.A., *Professor of Economics.*

CLAUDIUS TEMPLE MURCHISON, Ph.D., *Professor of Business Economics.*

WALTER JEFFRIES MATHERLY, M.A., *Associate Professor of Business Administration.*

HOMER HOYT, A.B., A.M., J.D., *Associate Professor of Economics.*

ERICH WALTER ZIMMERMAN, Ph.D., *Associate Professor of Transportation and Foreign Trade.*

CORYDON PERRY SPRUILL, JR., A.B., B.Litt., *Assistant Professor of Economics.*

WILLIAM BURRUSS HARRELL, B.S., *Instructor in Economics.*

Teaching Fellows in Economics, 1922-1923

CECIL KENNETH BROWN, A.B.

ARTHUR GWYNN GRIFFIN, A.B.

Courses for Undergraduates

1-2. GENERAL ECONOMICS.

PROFESSORS CARROLL,	Credit, 2 courses.
SPRUILL AND MR.	<i>Five hours a week.</i>
HARRELL.	<i>Fall and Winter, or Winter and</i>
Sophomore and Junior	<i>Spring Quarters.</i>
elective.	

This course is planned to give a general understanding of the fundamental principles underlying our industrial life. An analysis is made of consumption, production, and distribution: of the elements which determine value and price with a brief introduction to money, banking and credit, monopoly, business combinations, transportations, labor problems, and socialism.

(This course is offered for students in the School of Engineering as a three hour a week course running through the year, with 1½ courses credit).

15. INDUSTRIAL HISTORY.

PROFESSOR SPRUILL.	Credit, 1 course.
Sophomore and Junior	<i>Five hours a week.</i>
elective.	<i>Fall or Spring Quarter.</i>

A survey of the steps by which modern industry has evolved from crude beginnings into the complicated capitalistic economy of today. Special emphasis on the development of the wage system, the Industrial Revolution, the expansion of markets, the ebb and flow of industrial activity, the relation of industrial development to political policy, as they have manifested themselves in England and the United States.

Courses for Graduates and Advanced Undergraduates

3-4. MONEY AND BANKING.

PROFESSOR MURCHISON. Credit, 2 courses.

Prerequisite, Economics 1-2. *Five hours a week.**Fall and Winter, or Winter and Spring Quarters.*

A general study of the principles, functions, and forms of money, credit, and banking; a special study of the current money, credit, and banking problems.

6. INSURANCE.

PROFESSOR MATHERLY. Credit, 1 course.

Prerequisite, Economics 1-2. *Five hours a week.**Spring Quarter.*

A general study of the principles and methods of property, social (for industrial wage earners), and life insurance; a special study of life insurance.

9. TRANSPORTATION.

PROFESSOR ZIMMERMANN. Credit, 1 course.

Prerequisite, Economics 1-2. *Five hours a week.**Fall Quarter.*

A general study, from the historical and critical points of view, of railway transportation in such representative countries as Great Britain, France, Italy, Germany, and the United States; a special study of passenger and freight traffic and rates; a special study of the State's relations to railways.

10. LABOR PROBLEMS.

PROFESSOR HOYT. Credit, $\frac{1}{2}$ course.Prerequisite, Economics 1-2. *Three hours a week.**Spring Quarter.*

A study of labor as a factor in the industrial process; of the wage system and employment problems; of immigration and poverty; of labor organizations, strikes, lockouts, arbitration, factory legislation, and industrial education.

13-14. PUBLIC FINANCE.

PROFESSOR SPRUILL. Credit, 2 courses.

Prerequisite, Economics 1-2. *Five hours a week.**Winter and Spring Quarters.*

A general study of the principles which are involved in the revenues and expenditures of the State, and in the relation of the State to the industries of its citizens; a special study of taxation—local, State, and National.

16. THEORIES OF ECONOMIC REFORM.

PROFESSOR CARROLL. Credit, 1 course.

Prerequisite, Economics 1-2. *Five hours a week.**Fall or Spring Quarter.*

An analysis of the leading proposals for reform in the present economic system, including Socialism, Bolshevism, Single Tax, and Industrial Democracy.

18-19-20. ADVANCED ECONOMIC THEORY.

PROFESSOR HOYT. Credit, 2½ courses.

Prerequisite, Economics 1-2. *Fall, Winter, and Spring Quarters.*

A survey of economic theory from the standpoint of the evolution of modern industrial society. The three courses will not only include a review of the works of the leading economic writers, but will also summarize the principal physical, psychic and social factors that have shaped economic theory and economic institutions.

Courses Primarily for Graduates

106-107-108. ECONOMICS SEMINAR.

PROFESSOR MURCHISON, Credit, 1½ courses.

CHAIRMAN. *Fall, Winter, and Spring Quarters.*

Prerequisite, Economics
1-2, 3-4.

A general introduction to methods of advanced study. Some phase of economic activity is selected for consideration in harmony with the interests of the members of the seminar. Methods of work and content receive equal emphasis.

141. SEMINAR.

Individual research in a special field under the direction of a member of the faculty.

NOTE: Students in the College of Liberal Arts who elect Economics as their department for concentrated study in the Junior and Senior years may be permitted to elect certain courses in the Department of Commerce, subject to the approval of the head of the Department of Economics.

For courses in Accounting, Business Administration, Foreign Trade, Marketing, etc., see School of Commerce.

DEPARTMENT OF ENGLISH

EDWIN GREENLAW, Ph.D., *Kenan Professor of English.*

JAMES FINCH ROYSTER, Ph.D., *Kenan Professor of English Philology.*

FREDERICK HENRY KOCH, A.M., *Professor of Dramatic Literature.*

NORMAN FOERSTER, A.M., *Professor of English.*

JOHN MANNING BOOKER, Ph.D., *Professor of English.*

LOUIS GRAVES, A.B., *Professor of Journalism.*

THORNTON SHIRLEY GRAVES, Ph.D., *Professor of English.*

GEORGE MCFARLAND MCKIE, A.M., *Associate Professor of Public Speaking.*

HENRY McCUNE DARGAN, Ph.D., *Associate Professor of English, Secretary of the Department.*

CLARENCE ADDISON HIBBARD, M.A., *Associate Professor of English.*

WILLIAM FLINT THRALL, Ph.D., *Assistant Professor of English.*

WILLIAM DOUGALD MACMILLAN, III, A.M., *Instructor in English.*

ALMONTE C. HOWELL, A.M., *Instructor in English.*

RAYMOND WILLIAM ADAMS, A.M., *Instructor in English.*

A. THEODORE JOHNSON, A.M., *Instructor in English.*

ROLAND PRINCE McCLAMROCH, A.M., *Instructor in English.*

ROBERT RUSSELL POTTER, A.M., *Instructor in English.*

Teaching Fellows in English, 1922-1923

CHARLES BOWIE MILLICAN, A.B.

SAMUEL HOOD WILLIS, A.B.

ARTHUR RENARD WHITEHURST, A.B.

Assistants in English, 1922-1923

JOSEPH FELIX SPAINHOUR, A.M.

JOSEPH BASCOMB HUFF, A.M.

FRANK THORNER THOMPSON, A.B.

Courses for Undergraduates

1. FRESHMAN ENGLISH.

PROFESSORS THRALL Credit, 1 course.

(CHAIRMAN), DARGAN; *Five hours a week.*

MESSRS. MACMILLAN, JOHN- *Every Quarter.*

SON, McCLAMROCH, POTTER,

HUFF, WHITEHURST.

Intensive reading, chiefly in American prose; extensive reading among selected books in the Library; constant written composition on topics related with the intensive reading. Required of all Freshmen except those who take English 9abc.

1A. COMPOSITION.

PROFESSOR THRALL (CHAIR- Credit, 1 course.

MAN) AND MESSRS. ADAMS, *Five hours a week.*

MILLICAN, WILLIS, WHITE- *Every Quarter.*

HURST, SPAINHOUR.

A prerequisite of English 1 for Freshmen who need additional drill in the mechanics of writing. In the case of Freshmen required to take this course it will take the place of an elective course. Upper classmen whose work in other courses is ill-written, may be required to take English 1 A (without credit).

2. ENGLISH FOR PRE-MEDICAL STUDENTS.

MR. MACMILLAN. Credit, 1 course.
Five hours a week.
Spring Quarter.

A continuation of English 1 for students in the two-year pre-medical course who do not need 1 A.

3-4. ENGLISH LITERATURE.

PROFESSORS HIBBARD Credit, 2 courses.
 (CHAIRMAN), FOERSTER, *Five hours a week.*
 T. S. GRAVES, BOOKER, *Fall and Winter, or Winter and*
 DARGAN, THRALL, AND *Spring, or Fall and Spring Quarters.*
 MR. MACMILLAN.

Works representative of the successive periods of English Literature are studied as an expression of the life and thought of the periods in which they were written and as the embodiment of permanent human interests and ideals. Required of all Sophomores except those in Engineering.

9abc. COMPOSITION.

MR. HOWELL (CHAIRMAN), Credit, 1 course.
 MESSRS. JOHNSON, *Hours by arrangement.*
 MCCLAMROCH. *Every Quarter.*

The mechanics of writing studied through class work and conference on inspection-trip reports and other written exercises of the Freshman year in Engineering courses.

10abc. COMPOSITION.

MR. HOWELL AND AN Credit, 1 course.
 ASSISTANT. *Hours by arrangement.*
Every Quarter.

A continuation of the conference work of course 9, based on the written exercises of the Sophomore courses in Engineering.

11abc. LITERATURE AND TECHNICAL COMPOSITION.

MR. HOWELL. Credit, 1½ courses.
Three hours a week.
Fall, Winter, and Spring Quarters.

A course designed to make clear the relation between literature and science, both by extensive and intensive reading of the classics of English scientific literature and by actual practice in writing technical and professional forms. Required of Juniors in Engineering courses. (Omitted in 1922-1923).

12abc. CONFERENCE COURSE.

MR. HOWELL.

Hours by arrangement.

Conference work for Seniors in Engineering, based on laboratory reports and other written work of the Senior Year.

13-14-15. DRAMATIC INTERPRETATION.

PROFESSOR MCKIE.

Credit, 1½ courses.

Sophomore, Junior, and

Three hours a week.

Senior elective.

Fall, Winter, and Spring Quarters.

A course in dramatic action and speech, using as material scenes from Shakespeare's plays and short modern plays.

16-17-18. PUBLIC DISCUSSION AND DEBATE.

PROFESSOR MCKIE.

Credit, 1½ courses.

Sophomore, Junior, and

Three hours a week.

Senior elective.

Fall, Winter, and Spring Quarters.

A study of the principles of argumentation and practice in the application of these principles to speaking in such forums as the town meeting, the legislature, and the court room. Attention will also be paid to voice, gesture, and the relations of speaker and audience. (Required of Sophomores in Engineering).

20. COMPOSITION.

MR. HOWELL.

Credit, 1 course.

Sophomore, Junior and

Five hours a week.

Senior elective.

Fall or Spring Quarter.

A course emphasizing commercial relations and problems, and affording practice in the writing of professional forms. Especially designed for students in the School of Commerce.

21. ADVANCED COMPOSITION.

PROFESSOR HIBBARD.

Credit, 1 course.

Junior and Senior elective.

*Five hours a week.**Winter Quarter.*

A course in expository writing for students desiring practice in organization of material. While complete in itself, the course is intended to give an understanding of practical rhetorical principles such as will lay a foundation for other forms of writing.

22. ADVANCED COMPOSITION.

PROFESSOR HIBBARD.

Credit, 1 course.

Junior and Senior elective.

*Five hours a week.**Spring Quarter.*

The work in this course will be chiefly in the field of the essay. Emphasis will be placed on contemporary interests, political, social, and literary, as they lend themselves to this form of writing. (Offered in 1923-1924 and in alternate years).

23. ADVANCED COMPOSITION.

PROFESSOR HIBBARD. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
Spring Quarter.

This course is designed to offer students an opportunity for short story writing and to familiarize them with the technique of the form. Four stories will be written during the term and the work of various European and American authors will be studied. (Offered in 1922-1923 and in alternate years).

27. NEWS WRITING.

PROFESSOR LOUIS GRAVES. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
Fall Quarter.

An elementary course in the writing of various types of news stories. Members of the class are encouraged to write stories on subjects of interest to the State papers, and some of these productions are published. A prerequisite for English 28.

28. NEWS WRITING AND NEWS EDITING.

PROFESSOR LOUIS GRAVES. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
 Prerequisite, English 27. *Winter Quarter.*

A continuation of English 27. The drill in news writing continues, and the conditions of work imposed grow more nearly like those that prevail in a newspaper office. Beginning of instruction in the editing of news (copy-reading). A prerequisite for English 29.

29. NEWS WRITING, NEWS EDITING, FEATURE WRITING.

PROFESSOR LOUIS GRAVES. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
 Prerequisite, English 28. *Spring Quarter.*

A continuation of English 28, including instruction in the writing of feature stories.

30abc. ADVANCED NEWS WRITING.

PROFESSOR LOUIS GRAVES. Credit, $\frac{1}{2}$ or 1 course.
Throughout the year.
 Work, under supervision and instruction, for publication.

37. SHAKESPEARE: THE COMEDIES.

PROFESSOR KOCH. Credit, 1 course.
 Sophomore, Junior, and Senior elective. *Five hours a week.*
Fall Quarter.

A study of Shakespeare's contribution to comedy. There is a consideration of Elizabethan conditions, the technique of the theatre, and the art of the playwright, and a comparison of Shakespeare's practice in comedy with the classical and other forms. (Offered in 1923-1924 and in alternate years).

38. SHAKESPEARE: THE TRAGEDIES.

PROFESSOR KOCH. Credit, 1 course.
 Sophomore, Junior, and Five hours a week.
 Senior elective. Fall Quarter.

This course is complementary to English 37. It is a study of Shakespeare's contribution to tragedy and a consideration of his conception of tragedy as compared with the classical and modern types. (Offered in 1922-1923 and in alternate years).

51. ENGLISH POETRY FROM BURNS TO KEATS.

PROFESSOR DARGAN. Credit, 1 course.
 Sophomore, Junior, and Five hours a week.
 Senior elective. Winter Quarter.

The greater poets of the romantic period are studied as artists and interpreters of life, in the light of the personal, literary, and historical circumstances under which they wrote.

55. VICTORIAN LITERATURE, I.

PROFESSOR BOOKER. Credit, 1 course.
 Sophomore, Junior, and Five hours a week.
 Senior elective. Spring Quarter.

The aims of this course and the one that follows it (56) are to understand the best known and the most representative works of the chief Victorian writers, to appreciate their literary qualities, and to relate them to their time and to ours. The writers studied in English 55 are Carlyle, Tennyson, Browning, Arnold, Dickens, and Thackeray.

56. VICTORIAN LITERATURE, II.

PROFESSOR BOOKER. Credit, 1 course.
 Junior and Senior elective. Five hours a week.
 Fall Quarter.

(For description, see 55 above). The writers studied in this course are Ruskin, Rossetti, Morris, Swinburne, George Eliot, Charlotte Brontë, and George Meredith. (Offered in 1923-1924 and in alternate years).

59. AMERICAN LITERATURE.

PROFESSOR HIBBARD. Credit, 1 course.
 Sophomore, Junior, and Five hours a week.
 Senior elective. Fall Quarter.

The leading writers and tendencies are studied for their interpretation of life and their revelation of American ideals.

61. GREAT BOOKS OF THE NINETEENTH CENTURY, I.

PROFESSOR BOOKER. Credit, 1 course.
 Junior and Senior elective. Five hours a week.
 Fall Quarter.

The aims of this course and the one that follows it (62) are: first, to supplement the reading in English 3-4 for those who do

not contemplate electing more than one or two courses in English literature; secondly, to interest the student in masterpieces of the 19th century by revealing these as guides for man in the most vital relationships of life,—namely, in 61, his relations to God and nature; in 62, his relations to woman and the State. (Offered in 1922-1923 and in alternate years).

62. GREAT BOOKS OF THE NINETEENTH CENTURY, II.

PROFESSOR BOOKER. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Winter Quarter.

(For description, see 61 above. Offered in 1922-1923 and in alternate years).

66. THE NINETEENTH CENTURY NOVEL.

PROFESSOR DARGAN. Credit, 1 course.
Sophomore, Junior, and Senior elective. *Five hours a week.*
Spring Quarter.

A survey of the development of the English novel during the nineteenth century, with attention to parallel developments in French and Russian fiction. Special studies will be made of Scott, Thackeray, George Eliot and George Meredith; considerable reading will be required in the work of Balzac, Turgeneff, and Tolstoy. (Not offered in 1923-1924).

67. RECENT ENGLISH LITERATURE.

PROFESSOR BOOKER. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Winter Quarter.

The primary object of this course is to follow certain main currents of modern thought in the more significant literature of the three decades preceding 1914. The authors with whom the course is chiefly concerned are Hardy, Stevenson, Kipling, Arnold Bennett, Conrad, and Shaw. (Offered in 1923-1924 and in alternate years).

Courses for Graduates and Advanced Undergraduates

31-32-33. DRAMATIC COMPOSITION AND PRODUCTION.

PROFESSOR KOCH AND Credit, 3 courses.
MR. MACMILLAN. *Five hours a week.*
Fall, Winter, and Spring Quarters.

A practical course in dramatic composition and production. In the play-writing, emphasis is placed on the materials of local tradition and folklore, and of present-day life, in North Carolina. The essentials of stagecraft, acting, and stage direction are studied in theory and practice. Plays written in the course are selected for production by The Carolina Playmakers, and serve to illustrate the principles of dramatic art. Students interested

chiefly in play-writing need do only a minimum amount of the work in production; and students whose interest is only in production may, with special permission, be allowed to take the production portion of the course and receive credit for one half-course each quarter. Registration in the course is limited.

40. ENGLISH LITERATURE, 1557-1674.

PROFESSOR GREENLAW.

Credit, 1 course.

Five hours a week.

Fall Quarter.

A survey of English literature, exclusive of the drama, from the beginning of the Elizabethan period to the death of Milton. (Offered in 1923-1924 and in alternate years).

41. SPENSER.

PROFESSOR GREENLAW.

Credit, 1 course.

Five hours a week.

Fall Quarter.

A study of the poetry of Spenser as an introduction to the English Renaissance. (Offered in 1922-1923 and in alternate years).

42. BACON.

PROFESSOR GREENLAW.

Credit, 1 course.

Five hours a week.

Winter Quarter.

A study of the works of Bacon, with emphasis on his relation to educational and political theory and his contribution to scientific method. (Offered in 1922-1923 and in alternate years).

43-44. THE ELIZABETHAN DRAMA.

PROFESSOR T. S. GRAVES.

Credit, 2 courses.

Five hours a week.

Winter and Spring Quarters.

A brief study of the beginnings of the English drama, followed by an intensive study of the period from Lyly to the closing of the theatres. The works of Shakespeare are considered in their relationship to those of his immediate predecessors and contemporaries. Students who propose to elect this course are advised to prepare for it by taking at least one of the following courses: English 37, 38, 40, 41, 42. (Offered in 1922-1923 and in alternate years).

45. MILTON.

PROFESSOR GREENLAW.

Credit, 1 course.

Five hours a week.

Winter Quarter.

The works of Milton are studied in the light of the life, times, and culture of the poet, with some consideration of the problems involved in such a study. (Offered in 1923-1924 and in alternate years).

47-48. ENGLISH LIFE AND THOUGHT IN EIGHTEENTH CENTURY LITERATURE.

PROFESSOR DARGAN.

Credit, 2 courses.

*Five hours a week.**Fall and Winter Quarters.*

A survey of English literature from 1660 to 1780, emphasizing (1) changes in national life and manners; (2) the growth of philosophic and political systems; (3) certain characteristic literary forms, such as comedy, the essay, and the novel. (Not to be offered in 1923-1924).

60. AMERICAN LITERATURE.

PROFESSOR FOERSTER.

Credit, 1 course.

Prerequisite, English 59.

*Five hours a week.**Spring Quarter.*

A study of a limited subject, varied from year to year.

68. COMPARATIVE DRAMA.

PROFESSOR KOCH.

Credit, 1 course.

*Five hours a week.**Winter Quarter.*

A general survey of the drama and the theatre from Aeschylus to Ibsen. The development of dramatic literature is studied through representative plays in translation of the leading European dramatists.

69. COMPARATIVE DRAMA.

PROFESSOR KOCH.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

A brief consideration of the early English drama and a study of the folk tradition in more recent times—especially in Ireland. Particular attention is paid to the Celtic Renaissance—to the rediscovery of the Irish legends, and the works of Yeats, Synge, Lady Gregory, St. John Ervine, and others. Consideration is given to the beginnings of a new folk drama in America. (Offered in 1922-1923 and in alternate years).

71. THE MODERN DRAMA.

PROFESSOR KOCH.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions. (Offered in 1923-1924 and in alternate years).

75. THE RESTORATION AND EIGHTEENTH CENTURY
DRAMA.

PROFESSOR T. S. GRAVES. Credit, 1 course.

Five hours a week.

Winter Quarter.

A rapid survey of the progress of English drama from the Restoration to Sheridan. Special emphasis will be placed upon the types of drama that flourished during the years 1660-1790 and the influences that determined the theatrical conditions of the period. (Offered in 1923-1924 and in alternate years).

78. LITERARY CRITICISM.

PROFESSOR FOERSTER. Credit, 1 course.

Five hours a week.

Fall Quarter.

Through a study of such literary critics as Plato, Aristotle, Horace, Coleridge, Wordsworth, Henry James, and Croce, this course aims to render clear the principles of classical, pseudo-classical, romantic, and realistic art, and to consider the possibility of an absolute criterion for the evaluation of literature.

81. OLD ENGLISH: INTRODUCTORY COURSE.

PROFESSOR ROYSTER. Credit, 1 course.

Five hours a week.

Winter Quarter.

A study of Old English grammar and syntax. A considerable amount of Old English prose is read.

82. PRESENT-DAY ENGLISH.

PROFESSOR ROYSTER. Credit, 1 course.

Five hours a week.

Fall Quarter.

A consideration of the habits of current English: recent spread of English; American English; class and geographical dialects; written and spoken language; word growth and decay; other tendencies observable in the living language.

83. MIDDLE ENGLISH: CHAUCER.

PROFESSOR ROYSTER. Credit, 1 course.

Five hours a week.

Spring Quarter.

Previous training in Old or Middle English, not a fixed prerequisite. The work of the course will consist chiefly of a reading and discussion of Chaucer's works, with some consideration of Chaucer's language. (Offered in 1922-1923 and in alternate years).

84. MIDDLE ENGLISH LITERATURE: INCLUSIVE OF CHAUCER.

PROFESSOR ROYSTER.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

The main purpose of the course is to acquaint the student with the social, political, and religious background of medieval England. A fuller study will be made of the historical and philological relations of Middle English than in English 83. (Not offered in 1923-1924).

Courses Primarily for Graduates

101. BEOWULF.

PROFESSOR ROYSTER.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

Prerequisite English 81. (Offered in 1923-1924).

110abc. STUDIES IN ELIZABETHAN LITERATURE.

PROFESSOR GREENLAW.

Credit, 1½ courses.

Throughout the year.

Research in special problems in Elizabethan literature. Open to those who have had one of the following courses or an equivalent: English 40, 41, Comparative Literature 61. (Offered in 1923-1924 and in alternate years).

112abc. STUDIES IN SEVENTEENTH CENTURY LITERATURE.

PROFESSOR GREENLAW.

Credit, 1½ courses.

Throughout the year.

Research in special problems in the literature and thought of the seventeenth century. Open to those who had one or more of the following courses or an equivalent English 40, 41, 42, 45, or Comparative Literature 61. (Offered in 1922-1923 and in alternate years).

117. THE ROMANTIC MOVEMENT.

PROFESSOR FOERSTER.

Credit, 1 course.

*Five hours a week.**Winter Quarter.*

An historical survey of the origins of romanticism on the continent and in England, and a critical analysis of its artistic and philosophic ideals as they were developed by certain English romanticists. Prerequisite, English 51 or its equivalent. (Offered in 1922-1923 and in alternate years).

125-126-127. DRAMATIC THEORY AND PRACTICE.

PROFESSOR KOCH AND

Credit, 3 courses.

MR. MACMILLAN.

*Five hours a week.**Fall, Winter, and Spring Quarters.*

The purpose of this course is two-fold: to study the development of dramatic technique and criticism; and to give to graduate students an opportunity for advanced work in dramatic composition and production. The growth of dramatic theory and practice is treated in a comparative study of the chief periods of dramatic literature. In the original play-writing emphasis is placed on the materials of native tradition and present-day life. The Carolina Playmakers furnish a working laboratory in production for plays written in this course. In this way the essentials of stagecraft are studied and demonstrated in practice.

131. SEMINAR: METHODS.

PROFESSOR T. S. GRAVES, Credit, 1 course.
CHAIRMAN. *Fall Quarter.*

The principles and method of the higher study of English, with a series of simple problems in bibliography and literary history.

132. SEMINAR: LITERARY CRITICISM.

PROFESSOR FOERSTER. Credit, 1 course.
Prerequisite, English 78, *Winter Quarter.*
ordinarily also 131.

A critical study of a single writer in the light of the results attained in English 78. (Offered in 1923-1924 and in alternate years).

133. SEMINAR: THE TEACHING OF ENGLISH.

PROFESSOR ROYSTER AND Credit, $\frac{1}{2}$ course.
OTHERS. *Spring Quarter.*

A study of the method and content of the English course in high schools and elementary college courses.

141. SEMINAR.

Research in a special field under the direction of a member of the department.

REQUIREMENTS FOR A CERTIFICATE IN JOURNALISM

Proficiency in the following prescribed course of study, in the Junior and Senior years, qualifies a student to receive, upon graduation, a Certificate in Journalism:

ENGLISH. Seven courses, as follows: English 21, 27, 28, 29; one course in American literature; two courses chosen from those devoted to Victorian literature, the English drama, comparative drama, modern drama, the short story, recent literature. It is recommended that the sequence English 27-28-29 be taken in Senior year.

MODERN LANGUAGES. Three courses in one modern language, in addition to the courses taken in compliance with requirements for Freshman and Sophomore years.

HISTORY AND GOVERNMENT. Four courses, as follows: two in American history; two chosen from those devoted to these subjects: English history, Hispanic-American history, modern Europe, North Carolina, comparative government, the French Revolution and the Napoleonic period. (Requirements under this heading are in addition to those for Freshman year).

ECONOMICS. Two courses: Economics 1-2.

SCIENCE. One course in either zoology or geology, in addition to the requirements for Sophomore year.

ADVERTISING. One course (now offered in the School of Commerce).

Some of the studies here recommended for Junior and Senior years may have been taken as electives in Sophomore year; in that case, the student may choose, instead, any subject permitted to candidates for the degree of Bachelor of Arts. The entire programme should be planned, as far as possible, in advance and in consultation with the Professor of Journalism.

No student will be granted a Certificate in Journalism who does not receive grades averaging B or better in at least three of the required English courses (21, 27, 28, 29) and grades averaging C or better in all other courses taken in Junior and Senior years.

DEPARTMENT OF GEOLOGY

COLLIER COBB, A.M., Sc.D., *Professor of Geology and Mineralogy.*

JOSEPH HYDE PRATT, Ph.D., *State Geologist, Professor of Economic Geology.*

WILLIAM FREDERICK PROUTY, Ph.D., *Professor of Stratigraphic Geology.*

GERALD RALEIGH MACCARTHY, A.B., *Instructor in Geology.*

Teaching Fellows in Geology, 1922-1923

CARL HAMPTON WALKER, A.B.

HAROLD CLYDE AMICK, A.B.

Assistants in Geology, 1922-1923

ROBERT SESSOMS WEAVER.

THOMAS HILTON EVANS.

HERMAN JENNINGS BRYSON.

ELVIN BAILEY CAUDLE.

JOHN VERNON AMBLER.

(For description of Geological Laboratories, see page 48).

1-2. INTRODUCTION TO GEOLOGY.

Lectures with laboratory and field work; laboratory work in the first quarter on common minerals and rocks, and map interpretation; in the second quarter on geological folios and the more common fossils. The first quarter deals with physical geology, with physiographic processes and their results; the second quarter is a study of the outlines of historical geology.

MR. MACCARTHY.	Credit, 2 courses.
Junior and Senior elective.	<i>Five hours a week.</i>
Prerequisites, Geology 1-2	<i>Fall and Winter Quarters.</i>
and Chemistry, 1-2.	<i>Laboratory fee, \$5.00 a quarter.</i>
Crystallography, physical and chemical properties of minerals, blow-pipe analysis; lectures, laboratory work, and field work.	

7. PRINCIPLES OF GEOLOGY.

PROFESSOR COBB AND	Credit, 1 course.
ASSISTANT.	<i>Five hours a week.</i>
Junior and Senior elective.	<i>Fall Quarter.</i>
Prerequisite, Geology 1-2.	<i>Laboratory fee, \$3.00.</i>
Principles of Geology, including History of Geological Science; Lectures, field work and library work, with reports; including a report on the surficial geology of a selected area at a distance from Chapel Hill.	

PROFESSOR COBB AND	Credit, 2 courses.
ASSISTANT.	<i>Five hours a week.</i>
Senior elective.	<i>Fall and Winter Quarters.</i>
	<i>Laboratory fee, \$2.50 a quarter.</i>

Lectures, library work, and laboratory work. The course deals with man's interaction with his varying environment in the development of industries, and with the geographic conditions of different countries as giving rise to commerce.

PROFESSOR COBB.	Credit, $\frac{1}{2}$ course.
Junior and Senior elective.	<i>Three hours a week.</i>
Prerequisite, Geology 1-2.	<i>Spring Quarter.</i>
	<i>Laboratory fee, \$2.00.</i>

Lectures, field work, and laboratory work, dealing in detail with physiographic processes and their results, geomorphology. An extended field study is required in this course.

8-9. FIELD GEOLOGY AND STRATIGRAPHY.

PROFESSOR PROUTY AND Credit, 2 courses.

ASSISTANTS. *Five hours a week.*

Prerequisite, Geology 1-2. *Winter and Spring Quarters.*

Laboratory fee, \$3.50 a quarter.

Lectures, with laboratory, field work, and conferences. The first quarter deals with field and structural geology; the second quarter with stratigraphy, palaeontology, and historical geology.

10. OIL GEOLOGY.

PROFESSOR PROUTY. Credit, 1 course.

Prerequisite, Geology, 8-9. *Five hours a week.*

Spring Quarter.

Laboratory fee, \$3.50.

Lectures, laboratory work, and reports. A study of the origin, distribution, and accumulation of petroleum, with special relation to the oil fields of North America; methods of prospecting for oil, recovery of oil, and valuation of oil properties.

11-12. ECONOMIC GEOLOGY.

PROFESSOR PROUTY. Credit, 2 courses.

Prerequisites, Geology, 1-2, *Five hours a week.*

3-4, and Chemistry 1-2. *Fall and Winter Quarter.*

Laboratory fee, \$3.50 a quarter.

Lectures, laboratory work, and reports. During the Fall Quarter the non-metallic minerals will be studied. The metallic minerals will be considered in the Winter Quarter.

13. PETROLOGY.

PROFESSOR PROUTY AND Credit, $\frac{1}{2}$ course.

ASSISTANT. *Three hours a week.*

Prerequisites, Geology 1-2, *Spring Quarter.*

3-4, and Chemistry 1-2. *Laboratory fee, \$3.50.*

Laboratory work on rocks; a study of the origin, classification, and distribution of rocks.

14. PETROGRAPHY.

PROFESSOR PROUTY. Credit, $\frac{1}{2}$ course.

Prerequisites, Geology 1-2, *Three hours a week.*

3-4, and Chemistry 1-2. *Spring Quarter.*

Laboratory fee, \$3.50.

Lectures, laboratory work on the microscopic physiography of the rock-forming minerals; optical mineralogy and the theory of light as applied to the polarizing microscope; minerals as observed in thin rock sections.

15. PALEONTOLOGY.

MR. MACCARTHY.

Credit, 1 course.

Prerequisite, Geology 1-2.

*Five hours a week.**Fall Quarter.**Laboratory fee, \$3.50.*

18-19-20. ENGINEERING GEOLOGY.

PROFESSOR PROUTY.

Credit, 1½ courses.

*Three hours a week.**Fall, Winter, and Spring Quarters.**Laboratory fee, \$3.50 a quarter.*

23-24. ORIGIN AND NATURE OF SOILS.

PROFESSOR COBB AND

Credit, 2 courses.

ASSISTANTS.

Five hours a week.

Prerequisites, Geology 1-2,

Winter and Spring Quarters.

3-4, Chemistry 1-2.

Laboratory fee, \$2.50 a quarter.

Lectures, field work, laboratory work, and theses. The course is given primarily for men who wish to enter the State or Federal Soil Surveys or to engage in farming. Students in this course are expected to keep Saturday open for field work.

31. MINERALOGY FOR ENGINEERS.

MR. MCCARTHY.

Credit, ½ course.

*Three hours a week.**Spring Quarter.*51-52-53. ADVANCED FIELD WORK AND SPECIAL RESEARCH
IN GEOLOGY AND GEOGRAPHY.

PROFESSORS COBB AND

Credit, 3 courses.

PROUTY AND AS-

Five hours a week.

SISTANTS.

Fall, Winter, and Spring Quarters.

Problems and work adapted to the special needs of the student. For Graduates and for specially prepared Seniors. Students in this course are expected to keep Saturday open for field work.

Courses Primarily for Graduates

104-105-106. SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY.

PROFESSORS COBB AND

Credit, 3 courses.

PROUTY.

Fall, Winter, and Spring Quarters.

The student is expected to devote six weeks to work in the field, accompanied by the instructor, and to work up his results during the first quarter of the college year. The entire research constitutes three courses.

107-108-109. SPECIAL RESEARCH.

Credit, 3 courses.

Fall, Winter, and Spring Quarters.

Special Research in economic geology, in historical geology, or in petrology and petrography, two quarters of which must be taken as a seminar course.

The Geological Seminar meets fortnightly for the review and discussion of current geological literature, and for the presentation of original papers.

DEPARTMENT OF GERMANIC LANGUAGES

WALTER DALLAM TOY, M.A., *Professor of the Germanic Languages and Literatures.*

*KENT JAMES BROWN, Ph.D., *Associate Professor of German.*

HEINRICH BOSSHARD, Ph.D., *Assistant Professor of German.*

ERNST CHRISTIAN METZENTHIN, Ph.D., *Instructor in German.*

Courses for Undergraduates

1-2. ELEMENTARY COURSE.

DR. METZENTHIN.

Credit, 2 courses.

*Five hours a week.**Every Quarter.*

Grammar; written and oral exercises; translation; sight reading. This course may be counted for credit by those only who fulfill the requirements for the A.B. degree in two other foreign languages, and provided it is followed by German 3-4.

3-4. INTERMEDIATE COURSE.

PROFESSOR BOSSHARD.

Credit, 2 courses.

Freshman and Sophomore
elective.

*Five hours a week.**Every Quarter.*

Prerequisite, German 1-2.

Translation, sight reading, composition, grammar, oral exercises.

11. INTERMEDIATE COURSE.

PROFESSOR BROWN.

Credit, 1 course.

Junior and Senior elective.

Five hours a week.

Prerequisite, German 3-4.

†Spring Quarter.

Practice in writing and speaking German. Not offered in 1922-1923.

* Absent on leave, 1922-1923.

† See foot-note to German 41-42.

21. ADVANCED COURSE.

PROFESSORS TOY AND
BOSSHARD.

Credit, 1 course.

*Five hours a week.*Sophomore, Junior, and
Senior elective.*Fall or Winter Quarter.*

Prerequisite, German 3-4.

Lessing: *Minna von Barnhelm*; Schiller: *Die Jungfrau von Orleans*.

22. ADVANCED COURSE.

PROFESSORS TOY AND
BOSSHARD.

Credit, 1 course.

*Five hours a week.*Sophomore, Junior, and
Senior elective.*Winter or Spring Quarter.*

Prerequisite, German 3-4.

Schiller: *Wilhelm Tell*; Gæthe: *Iphigenie auf Tauris*, or *Egmont*.

In courses 21 and 22 is made a careful review of German pronunciation and of the grammar, for the benefit of those who are preparing to teach German.

23. ROMANTICISM IN GERMANY.

PROFESSOR TOY.

Credit, 1 course.

Sophomore, Junior, and

Five hours a week.

Senior elective.

Spring Quarter.

Prerequisite, German 3-4.

Lectures, reading of selected texts.

25-26. GERMAN LITERATURE IN THE NINETEENTH CENTURY
SINCE GOETHE'S DEATH.

PROFESSOR BROWN.

Credit, 2 courses.

Sophomore, Junior, and

Five hours a week.

Senior elective.

Fall and Winter, or Winter and

Prerequisite, German 3-4.

Spring Quarters.

Lectures and reading of representative works. Not offered in 1922-1923.

Courses 21, 22, 23, 25-26, are parallel in grade. They present an introduction to the study of German literature.

Courses for Graduates and Advanced Undergraduates

41-42. GOETHE'S LIFE AND WORKS.

PROFESSOR TOY.

Credit, 2 courses.

Prerequisite, German 21,
or 22, or 23, or 25-26.*Five hours a week.***Two Quarters.*

Lectures, readings, reports. Gætz von Berlichingen, Werthers Leiden, Tasso, Gedichte, Hermann und Dorothea, Dichtung and Wahrheit. References: Scherer's and Francke's histories of

* NOTE.—Courses 11, 41-42, 43-44, 45, 101, 103, 107, will be given, if they are desired by a sufficient number of students. In any case the department reserves the right to withdraw a course for which the registration is very small.

German literature, English and German works on G  the's life. This course may be elected only after consultation with the instructor.

43-44. GOETHE'S FAUST.

PROFESSOR TOY. Credit, 2 courses.

Prerequisite, German 21, *Five hours a week.*
or 22, or 23, or 25-26. **Two Quarters.*

G  the: Faust, Parts I and II. This course may be elected only after consultation with the instructor.

45. KLEIST AND HEBBEL.

PROFESSOR BROWN. Credit, 1 course.

Prerequisite, German 21, *Five hours a week.*
or 22, or 23, or 25-26. **One Quarter.*

Reading and interpretation of selected dramas; lectures and reports. This course may be elected only after consultation with the instructor. Not offered in 1922-1923.

Courses Primarily for Graduates

101. GOTHIC.

PROFESSOR TOY. Credit, 1 course.

Prerequisite, German 21, *Five hours a week.*
or 22, or 23, or 25-26. **One Quarter.*

Braune's *Gotische Grammatik*; selected parts of Paul's *Grundriss der Germanischen Philologie*. Introduction to Germanic Philology.

103. OLD HIGH GERMAN.

PROFESSOR TOY. Credit, 1 course.

Prerequisite, German 21, *Five hours a week.*
or 22, or 23, or 25-26. **One Quarter.*

Braune's *Althochdeutsche Grammatik*; Braune's *Althochdeutsches Lesebuch*.

107. MIDDLE HIGH GERMAN.

PROFESSOR BROWN. Credit, 1 course.

Prerequisite, German 21. *Five hours a week.*
or 22, or 23, or 25-26. **One Quarter.*

Middle High German grammar. Wide reading.

* NOTE.—Courses 11, 42, 43-44, 45, 101, 103, 107, will be given if they are desired by a sufficient number of students. In any case the department reserves the right to withdraw a course for which the registration is very small.

DEPARTMENT OF GREEK

WILLIAM STANLY BERNARD, A.M., *Professor of Greek.*

JAMES PENROSE HARLAND, Ph.D., *Assistant Professor of Classics.*

Courses for Undergraduates

1-2. BEGINNERS GREEK.

PROFESSORS BERNARD AND Credit, 2 courses.

HARLAND. *Five hours a week.*

Fall, Winter, and Spring Quarters.

A course for students who have had no opportunity for studying Greek. This course may be counted for credit toward the degree provided it is followed by Greek 3, 4, and 5. Also it may be counted for credit as an elective by students who have selected for their language requirement two other foreign languages.

3. INTERMEDIATE GREEK: GREEK PROSE.

PROFESSOR BERNARD. Credit, 1 course.

Freshman and Sophomore *Five hours a week.*

elective. *Fall Quarter.*

Prerequisite, Greek 1-2.

A course continuing Greek 1-2. Reading and study of selections from the best Attic prose of Xenophon, Lycias, and Plato.

4. INTERMEDIATE GREEK: HOMER.

PROFESSOR BERNARD. Credit, 1 course.

Freshman and Sophomore *Five hours a week.*

elective. *Winter Quarter.*

Prerequisite, Greek 1-2
and 3.

A course continuing the purpose of Greek 3, to increase the student's proficiency in reading the language while at the same time leading him into the best literature.

5. PLATO.

PROFESSOR BERNARD. Credit, 1 course.

Sophomore and Junior *Five hours a week.*

elective. *Spring Quarter.*

Prerequisite, Greek 3-4.

Apology and Crito with selections from the other Socratic dialogues. The course is designed for a more critical study of Greek prose and the thought movements which culminated in the Socratic teaching.

6. DRAMA.

PROFESSOR BERNARD.

Credit, 1 course.

Sophomore and Junior
elective.*Five hours a week.**One Quarter, on application.*

Prerequisite, Greek 3-4.

Two tragedies and one comedy will be studied. This course may be substituted for the fifth course of the foreign language requirement with the approval of the professor of Greek.

7. THE GREEK NEW TESTAMENT.

PROFESSOR BERNARD.

Credit, 1 course.

Sophomore and Junior
elective.*Five hours a week.**One Quarter on application.*

Prerequisite, Greek 3-4.

St. Mark's Gospel with selections from the other Gospels. This course is both cultural and vocational. Designed for those students who wish a more intimate knowledge of the original Bibles and also especially for divinity and Y. M. C. A. students. With approval of the professors of Greek it may be substituted for the fifth course of the foreign language requirement.

8. HOMER: ADVANCED COURSE.

PROFESSOR HARLAND.

Credit, 1 course.

Sophomore, Junior, and
Senior elective.*Five hours a week.**One Quarter, on application.*

Prerequisite, Greek 3-4.

Rapid Reading of the entire Odyssey with Homeric Study.

Courses Requiring No Knowledge of the Greek Language

The following courses in Greek literature and civilization are especially designed for those students who, without a reading knowledge of the Greek language, wish a broader culture or the necessary foundation to specialize in modern literature, history, art, etc. Where properly approved these courses may be counted a part of the major requirement in other departments.

14. A SURVEY OF GREEK LITERATURE.

PROFESSOR BERNARD.

Credit, 1 course.

Sophomore, Junior, and
Senior elective.*Five hours a week.**Fall Quarter.*

A study of the masterpieces of Greek literature in English translation with special reference to the contributions of Greek civilization to modern thought.

16. GREEK LIFE.

PROFESSOR HARLAND.

Credit, 1 course.

Sophomore, Junior, and
Senior elective.*Five hours a week.**Fall Quarter.*

This course will be practically a survey of Hellenic civilization. The house, dress, education, social life, mythology, religion, theatre, games, etc., will be studied, especial attention being given to life in Athens in the Fifth Century B. C. Illustrated lectures, discussions, and required readings.

17. GREEK AND ROMAN ART.

PROFESSOR HARLAND. Credit, 1 course.
 Sophomore, Junior, and Senior elective. *Five hours a week.*
Spring Quarter.

This course will deal with architecture, sculpture, vases, etc. of Greece and Rome, with a preliminary survey of Egyptian and Mesopotamian art. Special attention will be paid to the architecture and sculpture of the classical period. Illustrated lectures, discussions, and required readings.

36. GREEK DRAMA IN ENGLISH TRANSLATION.

PROFESSOR BERNARD. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
One Quarter, on application.

A course designed to embrace the origin, development, technique, and content of Greek Drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress.

53. PLATO IN ENGLISH TRANSLATION.

PROFESSOR BERNARD. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
One Quarter, on application.

A course designed to lead the student into Platonic philosophy and literary criticism.

Courses for Graduates and Advanced Undergraduates

21-22. GREEK DRAMA.

PROFESSOR BERNARD. Credit, 2 courses.
 Prerequisite, Greek 6. *Five hours a week.*
Two Quarters.

An extended reading and study of the Greek drama with lectures on the origin, history and structure of the drama.

43. THE GREEK NEW TESTAMENT.

PROFESSOR BERNARD. Credit, 1 course.
 Prerequisite, Greek 7. *Five hours a week.*
One Quarter, on application.

The Acts of the Apostles, study of grammar and diction, comparison with English versions; the Gospels, with selections from the Epistles; the principles of textual criticism, sources and history of the Greek text and the versions.

NOTE: *Greek 13* and *Greek 14* may also be taken as graduate courses. In such cases the scope of the work in them will be considerably expanded and concentration on some special phase of the subject required.

Courses Primarily for Graduates

101-102-103. GREEK SEMINAR.

PROFESSOR BERNARD.

This course is devoted to the study in detail of particular authors or periods in Greek literature, the subject matter varying from year to year. It calls for wide reading in the Greek authors selected and in the critical literature concerning them, with oral and written reports. Lectures and conferences.

DEPARTMENT OF HISTORY AND GOVERNMENT

JOSEPH GREGOIRE DEROUHAC HAMILTON, Ph.D., *Kenan Professor of History and Government.*

HENRY MCGILBERT WAGSTAFF, Ph.D., *Professor of History.*

WILLIAM WHATLEY PIERSON, JR., Ph.D., *Professor of History and Government.*

ROBERT DIGGS WIMBERLY CONNOR, Ph.B., *Kenan Professor of History and Government.*

*FRANK PORTER GRAHAM, A.M., *Associate Professor of History.*

WALLACE E. CALDWELL, Ph.D., *Associate Professor of History.*

FLETCHER MELVIN GREEN, A.M., *Instructor in History.*

KEENER CHAPMAN FRAZER, A.M., *Instructor in History.*

Teaching Fellows in History, 1922-1923

JOHN WILEY COKER, A.B.

CALVIN RANSOME EDNEY, A.M.

HISTORY

Courses for Undergraduates

1-2. FOUNDATIONS OF MODERN HISTORY.

PROFESSORS HAMILTON, Credit, 2 courses.

WAGSTAFF, PIERSON, CON- Five hours a week.

NOR, CALDWELL, AND

Fall and Winter, and Winter and

MESSRS. GREEN

Spring Quarters.

AND FRAZER.

Required of all Freshmen.

* Absent on leave, 1922-1923.

A general course dealing with the fundamental factors in modern civilization in Europe and the United States. The emphasis of the course will rest upon the commercial revolution, European expansion, the Protestant Revolt, colonial and dynastic rivalry, the Old Regime, the French Revolution, the industrial revolution, the rise of democracy, the growth of modern imperialism, and the course of modern international relations. Lectures, text-books, and readings.

3-4. ENGLISH HISTORY.

PROFESSOR WAGSTAFF.	Credit, 2 courses.
Sophomore, Junior, and	<i>Five hours a week.</i>
Senior elective.	<i>Fall and Winter Quarters.</i>

The purpose of this course is to convey a good working knowledge of English history and broaden it into a survey of the part the Anglo-Saxon race has played in world history. Text-book, readings, and lectures.

5-6. ANCIENT HISTORY.

PROFESSOR CALDWELL.	Credit, 2 courses.
Sophomore, Junior, and	<i>Five hours a week.</i>
Senior elective.	<i>Winter and Spring Quarters.</i>

A course dealing with the history of the Orient, Greece, and Rome to the time of Constantine. Particular attention will be paid to social and economic conditions, and cultural and religious developments.

7-8. AMERICAN HISTORY.

MR. GREEN.	Credit, 2 courses.
Sophomore, Junior, and	<i>Five hours a week.</i>
Senior elective.	<i>Winter and Spring Quarters.</i>

A general survey of the history of the United States: European background, discovery and exploration, colonization, revolution, independence, federation, western expansion, democracy, slavery, civil war, reconstruction, business and politics, progressive movement, and world politics. Lectures, text-books, and readings.

9. HISPANIC-AMERICAN HISTORY. The Colonial Period and the Wars of Independence.

PROFESSOR PIERSON.	Credit, 1 course.
Sophomore, Junior, and	<i>Five hours a week.</i>
Senior elective.	<i>Fall Quarter.</i>

In this quarter a general survey will be made of Spanish and Portuguese America from the establishment of colonial settlements through the wars of independence. A study of the transplantation of Hispanic civilization in language, customs, religion, trade, and political institutions; Indian relations; labor and social conditions; education and industry; the causes and events of the struggles for independence. Lectures and readings.

10. HISPANIC-AMERICAN HISTORY: Development of Nationality in South America.

PROFESSOR PIERSON.

Credit, 1 course.

Sophomore, Junior, and

Five hours a week.

Senior elective.

Winter Quarter.

The modern history of Argentina, Brazil, Chile, Uruguay, Paraguay, Peru, Bolivia, and Ecuador. Attention will be directed to the establishment of these republics, the evolution of their political theory, the struggle for political stability, the exploitation of resources, the diplomatic and commercial relations with the United States and Europe, the international problems of South America, the contemporary progress in politics and society. Lectures and readings. Given 1923-1924 and in alternate years.

11. HISPANIC CARIBBEAN AMERICAN HISTORY: Hispanic North American and the Caribbean Countries.

PROFESSOR PIERSON.

Credit, 1 course.

Sophomore, Junior, and

Five hours a week.

Senior elective.

Winter Quarter.

Emphasis in this course will be placed upon the same general factors as in History 10. The diplomatic and commercial relations of the United States and Mexico, the insular republics, the Central American countries, and Colombia, Panama, and Venezuela will receive special attention. Lectures and readings. Omitted in 1923-1924 and in alternate years.

Courses for Graduates and Advanced Undergraduates

12. MEDIAEVAL EUROPE.

PROFESSOR WAGSTAE.

Credit, 1 course.

Five hours a week.

Fall Quarter.

A brief general course dealing with the thought and institutions of Europe from the decline of the Roman Empire to the rise of national states. Text-books, readings, and lectures.

14. MODERN EUROPE.

PROFESSOR WAGSTAFF.

Credit, 1 course.

Five hours a week.

Spring Quarter.

A study of modern and contemporary Europe from the angle of the primary forces that shaped the life of European nations during the past hundred and fifty years. Text-books, readings, and lectures.

17-18. HISTORY OF NORTH CAROLINA.

PROFESSOR CONNOR.

Credit, 2 courses.

Five hours a week.

Winter and Spring Quarters.

General survey of colonization and territorial growth; colonial institutions; intercolonial and imperial relations, revolution and independence; constitutional and institutional development; Federal relations; civil war and reconstruction; recent political, economic, and educational developments. Lectures and readings.

22. THE PROTESTANT REVOLT.

PROFESSOR PIERSON.

Credit, 1 course.

Five hours a week.

Spring Quarter.

A study of the religious, intellectual, political, and economic aspects of the Protestant Revolt, with detailed consideration of the sixteenth century organization and criticism of the Catholic Church; the religion and dogmas of Luther, Zwingli, Calvin, Knox, and Cranmer; the influence of nationalism and absolutism on the revolution; the Catholic counter-reformation; and the establishment of state churches. (To be omitted in 1923-1924).

23. THE FRENCH REVOLUTION AND THE NAPOLEONIC PERIOD.

PROFESSOR PIERSON.

Credit, 1 course.

Junior and Senior elective. *Five hours a week.*

Spring Quarter.

A course which deals with the causes—political, intellectual, social, and economic—events and results of the French Revolution. Lectures, text-books, and readings.

27. COLONIAL AMERICAN HISTORY.

PROFESSOR CONNOR.

Credit, 1 course.

Five hours a week.

Fall Quarter.

A general survey of the history of Colonial America: European expansion; discoveries, explorations and colonization; race elements; institutions: social, economic and political development; imperial relations; revolution and independence. Text-book, lectures and readings.

28. THE FEDERAL PERIOD.

MR. FRAZER.

Credit, 1 course.

Five hours a week.

Winter Quarter.

American History through the period 1789-1860. A general survey of the period from the formation of the Constitution to the Civil War in which an intensive study is made of the conflict in opinion respecting the nature of the Union, Jacksonian democracy. The Westward Movement, and the controversy over slavery. Text-books, readings, and lectures.

29. CIVIL WAR AND RECONSTRUCTION.

PROFESSOR HAMILTON.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

A course dealing with the more important constitutional, political, and economic phases of the period from 1861 to 1876. Lectures, readings, and reports.

30. CONTEMPORARY AMERICAN HISTORY.

PROFESSOR PIERSON.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

A general course dealing with the political, economic, and social history of the United States, from 1876 to the beginning of the World War, with detailed consideration of the influences of the Civil War and Reconstruction upon subsequent American history; the war amendments in theory and practice; business and politics; the Granger movement; the currency question; the tariff; the trusts; relations of capital and labor; the foreign relations of the United States; the Spanish-American War and its results; the progressive movement in American politics. Lectures, textbooks, and readings.

31. HISTORY OF THE ORIENT AND EARLY GREECE.

PROFESSOR CALDWELL.

Credit, 1 course.

*Five hours a week.**Fall Quarter.*

An advanced course in the history of the Bronze Age in the Mediterranean; the beginning of civilization in Egypt, Babylonia, Syria and Palestine, and Crete, and the history of their development down to the time of the Persian Empire. Attention will be given to the hieroglyphic and cuneiform scripts, to economic conditions, government and law, artistic and literary achievements, and religion.

32. HISTORY OF GREECE.

PROFESSOR CALDWELL.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

A history of the classical period of Ancient Greece; the Homeric Age, the Expansion of the Hellas, the Renaissance of the Aegean, the Fifth and Fourth Centuries to the death of Alexander. Particular attention will be given to the growth of democracy, social and economic aspects, artistic, literary, and religious developments.

33. HISTORY OF HELLENISTIC GREECE AND THE ROMAN REPUBLIC.

PROFESSOR CALDWELL.

Credit, 1 course.

*Five hours a week.**Fall Quarter.*

A survey of the world into which Rome entered, the political, economic, and social condition of the Eastern Mediterranean, Hellenistic Art, literature and religion, the establishment and growth of the Roman Republic, Roman expansion throughout the Mediterranean, the growth of Roman culture, the Roman Revolution, and the foundation of the Empire. To be omitted in 1923-1924. This course alternates with Course 31.

34. HISTORY OF THE ROMAN EMPIRE AND THE EARLY MIDDLE AGES.

PROFESSOR CALDWELL.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

A survey of history from Augustus to Charlemagne; the organization and administration of the Roman Empire, social, economic, and religious conditions and developments, the collapse of ancient civilization, the Germanic invasions, the foundation of feudalism and the Medieval Church, Charlemagne, and the Empire. To be omitted in 1923-1924. This course alternates with Course 32.

Courses Primarily for Graduates

100-101-102. NORTH CAROLINA HISTORY.

PROFESSOR CONNOR.

Credit, 1½ courses.

*One hour a week.**Fall, Winter, and Spring Quarters.*

A seminar course on the social, economic, and political history of the State of North Carolina. The course continues throughout the year, a weekly conference being held for the presentation of reports and discussion.

103-104-105. INTER-AMERICAN RELATIONS.

PROFESSOR PIERSON.

Credit, 1½ courses.

Prerequisite, History 9-10.

*One hour a week.**Fall, Winter, and Spring Quarters.*

A research course concerned with the diplomatic relations of the United States and the Hispanic-American countries. Some particular aspect will be selected for investigation. Lectures and reports. (To be omitted in 1923-1924).

106-107-108. THE HISTORY OF CONGRESS.

PROFESSOR HAMILTON.

Credit, 1½ courses.

*One hour a week.**Fall, Winter, and Spring Quarters.*

A seminar course devoted to the history of the development of the Congress of the United States.

110-111-112. ANCIENT HISTORY.

PROFESSOR CALDWELL.

Credit, 1½ courses.

*One hour a week.**Fall, Winter, and Spring Quarters.*

A seminar in some phase of Ancient History.

GOVERNMENT

Courses for Undergraduates

1-2. COMPARATIVE GOVERNMENT.

PROFESSOR HAMILTON.

Credit, 2 courses.

Sophomore, Junior, and

Five hours a week.

Senior elective.

Fall and Winter Quarters.

In this course an intensive study will be made of the governmental and social institutions of the leading states of the modern world. The first quarter will be devoted to the treatment of the United States. In the second quarter the chief emphasis will be placed upon Great Britain and France, with outline studies of the institutions of other European countries. Text-books, lectures, discussions, and readings.

Courses for Graduates and Advanced Undergraduates

5. THE ELEMENTS OF POLITICAL SCIENCE.

PROFESSOR PIERSON.

Credit, 1 course.

*Five hours a week.**Fall Quarter.*

A general course in which a study is made of the principles of political science and of the important theories respecting the nature, origin, forms, and ends of the state and of government. An examination of the literature of the subject will be made, supplemented by students' reports on selected political theorists. Lectures, text-books, and readings.

8. THE CONSTITUTION OF THE UNITED STATES.

(To be omitted in 1923-1924).

9-10. MODERN MUNICIPAL GOVERNMENT.

(To be omitted in 1923-1924).

11. AMERICAN STATE GOVERNMENT.

PROFESSOR CONNOR.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

A course dealing with the origins, development, and methods of the state governments. In connection with the course will be a special study of the government of North Carolina.

15-16. CONTEMPORARY PROBLEMS OF CITIZENSHIP.

(To be omitted in 1923-1924).

Courses Primarily for Graduates

100-101-102. AMERICAN POLITICAL THEORY.

PROFESSOR PIERSON.

Credit, 2 courses.

*Two hours a week.**Fall, Winter, and Spring Quarters.*

A seminar course respecting the political philosophy that has been developed in the United States. In the Fall Quarter the political theory of the colonial period and the American Revolution will be studied; in the Winter Quarter attention will be given to the theories associated with the formation of the Constitution and its early interpretation, the nature of the Union, and the slavery dispute; in the Spring Quarter the political theory of the Civil War and the contemporary United States will be considered. Lectures, readings, and reports.

103-104-105. THE AMERICAN CONSTITUTION.

(To be omitted in 1923-1924).

106-107-108. MODERN INTERNATIONAL RELATIONS.

(To be omitted in 1923-1924).

109. SEMINAR COURSE.

Credit, 1 or 2 courses.

A research course in a special field under the direction of a member of the department.

A certificate is granted to a student who has completed with credit the equivalent of nine courses in History and Government.

DEPARTMENT OF LATIN

GEORGE HOWE, Ph.D., *Professor of the Latin Language and Literature.*

*GUSTAVE ADOLPHUS HARRER, Ph.D., *Associate Professor of Latin.*

JAMES PENROSE HARLAND, Ph.D., *Assistant Professor of Classics.*

FRED BAYS MCCALL, A.B., *Instructor in Latin.*

Courses for Undergraduates

1-2. READINGS IN ROMAN LITERATURE.

PROFESSORS HOWE, HARRER, Credit, 2 courses.

HARLAND, AND MR.

Five hours a week.

MCCALL.

Fall and Winter, or Winter and

Freshman elective.

Spring Quarters.

Course 1 is concerned with the translating of Latin, with work in vocabulary, and with a review of the chief principles of grammar. In Course 2 emphasis is placed on content and literary form.

* Absent on leave on the Kenan Foundation, 1922-1923.

3. SELECTIONS FROM PLINY AND TACITUS.

PROFESSORS HOWE, HARRER, Credit, 1 course.

HARLAND, AND MR. *Five hours a week.*MCCALL. *Fall or Spring Quarter.*

Sophomore elective.

Prerequisite, Latin 1-2.

The course is concerned with the translating of Latin; but the emphasis is also placed on the literary values of the works read, and on the political and social conditions of the period.

4. ROMAN LAW.

PROFESSOR HARRER. Credit, 1 course.

Prerequisite, Latin 1-3. *Five hours a week.**Winter Quarter.*

This course deals with the general principles and the historical development of Roman law. The work will consist of the translation of selected passages in legal literature, readings, and lectures. This course is a Sophomore requirement of A.B.-LL.B. students, and is open to other students who have satisfied the prerequisite.

5. ROMAN SATIRE.

PROFESSOR HOWE. Credit, 1 course.

Sophomore elective. *Five hours a week.*Prerequisite, Latin 1-2. *Winter Quarter.*

Readings from Horace, Petronius, Persius, Juvenal; occasional lectures. This course alternate with Course 6.

6. CICERO'S LETTERS.

PROFESSOR Credit, 1 course.

Sophomore elective. *Five hours a week.*Prerequisite, Latin 1-2. *Winter Quarter.*

The reading of selected letters and discussions of the history and politics of the time. This course alternates with Course 5; not offered in 1923-1924.

11. TEACHER'S COURSE.

PROFESSOR HOWE. Credit, 1 course.

Prerequisite, Latin 1-3. *Five hours a week.**Fall Quarter.*

Pronunciation, forms, syntax, prosody, the art of translating, methods of instruction.

15. LATIN LITERATURE IN ENGLISH TRANSLATION.

PROFESSOR HOWE. Credit, 1 course.

Sophomore, Junior, and *Five hours a week.*Senior elective. *Winter Quarter.*

A study of masterpieces of Latin literature in English translation, with special reference to the contribution of Roman civilization to modern thought. This course is open to students who have no knowledge of the Latin language.

16. ROMAN LIFE.

PROFESSOR HARLAND. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
Winter Quarter.

This course will deal with the private life of the Romans, their living conditions, amusements, manners and customs, religion, and mythology.

17. GREEK AND ROMAN ART.

PROFESSOR HARLAND. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
Spring Quarter.

This course will deal with architecture, sculpture, vases, etc. of Greece and Rome, with a preliminary survey of Egyptian and Mesopotamian art. Special attention will be paid to the architecture and sculpture of the classical period. Illustrated lectures, discussions, and required readings.

Courses for Graduates and Advanced Undergraduates

12. ROMAN HISTORICAL LITERATURE.

PROFESSOR HARRER. Credit, 1 course.
 Prerequisite, Latin 1-3. *Five hours a week.*
Fall Quarter.

A study of the structure, purposes, and methods of the most significant works. Translation and readings in English from the literature; reports; lectures. This course alternates with Course 13.

13. ROMAN DRAMATIC LITERATURE.

PROFESSOR HARRER. Credit, 1 course.
 Prerequisite, Latin 1-3. *Five hours a week.*
Fall Quarter.

A study of the historical development of Latin comedy and tragedy; reading of selected plays. This course alternates with Course 12; not offered in 1923-1924.

19. CAESAR.

PROFESSOR HARRER. Credit, 1 course.
 Prerequisite, Latin 1-3. *Five hours a week.*
Fall Quarter.

The political career and literary works of Cæsar will be studied, and selections from the Gallic and Civil Wars will be translated.

30. CICERO'S WORKS.

PROFESSOR HOWE.

Credit, 1 course.

Prerequisite, Latin 1-3.

*Five hours a week.**Winter Quarter.*

A study of Cicero, as statesman and advocate. Selected letters, as well as a number of the orations, will be read.

31. LATIN PROSE LITERATURE.

PROFESSOR HOWE.

Credit, 1 course.

Prerequisite, Latin 1-3.

*Five hours a week.**Spring Quarter.*

The course is concerned mainly with the study of the epistolary and historical literature; reading of selected letters from Cicero and Pliny, and of passages from Livy, Tacitus, and other historians.

51. THE LATIN EPIC.

PROFESSOR HOWE.

Credit, 1 course.

Junior and Senior elective.

*Five hours a week.**Spring Quarter.*

The history of Latin Epic; detailed study of the *Æneid*.

52. THE POETRY OF OVID.

PROFESSOR HOWE.

Credit, 1 course.

Junior and Senior elective.

*Five hours a week.**Winter Quarter.*

Reading in English of the complete works of Ovid, and special critical study of the metamorphoses and of Roman elegy.

Courses Primarily for Graduates

101-102-103. LATIN SEMINAR.

PROFESSORS HOWE AND

Credit, 3 courses.

HARRER.

*Five hours a week.**Fall, Winter, and Spring Quarters.*

This course is devoted to the study in detail of particular authors or periods in Roman Literature, the subject matter varying from year to year. It involves wide reading in the Latin authors and in the critical literature concerning them, with oral and written reports by the student. Lectures and conferences. For the year 1923-1924: Fall Quarter, Cicero (PROFESSOR HOWE); Winter Quarter, Roman Elegiac Poets, (PROFESSOR HOWE); Spring Quarter, Tacitus (PROFESSOR HARRER).

104. LATIN EPIGRAPHY.

PROFESSOR HARRER.

Credit, 1 course.

*Five hours a week.**Fall Quarter.*

The aim of the course is to acquire facility in the deciphering and translating of inscriptions, to study in detail a selection of significant inscriptions and their value in the field of Roman studies.

105. LATIN PALEOGRAPHY.

PROFESSOR HARRER.

Credit, 1 course.

Five hours a week.

Winter Quarter.

The course will include a study of the more important scripts, practice in decipherment, and the methods of textual criticism.

DEPARTMENT OF MATHEMATICS

ARCHIBALD HENDERSON, Ph.D., D.C.L., LL.D., *Professor of Mathematics.*

JOHN WAYNE LASLEY, JR., Ph.D., *Associate Professor of Pure Mathematics.*

ALLAN WILSON HOBBS, Ph.D., *Associate Professor of Applied Mathematics.*

ARTHUR SIMEON WINSOR, A.M., *Assistant Professor of Mathematics.*

ERNEST LLOYD MACKIE, A.M., *Assistant Professor of Mathematics.*

EDWARD TANKARD BROWNE, A.M., *Assistant Professor of Mathematics.*

MICHAEL ARENDELL HILL, JR., A.M., *Instructor in Mathematics.*

CLAYTON CARR EDWARDS, A.B., *Instructor in Mathematics.*

Assistants in Mathematics, 1922-1923

IRVING JOSEPH STEPHENSON.

WILLIAM VANN PARKER.

Courses for Undergraduates

1. MATHEMATICAL ANALYSIS I.

PROFESSORS HENDERSON, Credit, 1 course.

LASLEY, MACKIE, BROWNE, *Five hours a week.*

MESSRS. HILL, EDWARDS, *Every Quarter.*

STEPHENSON, AND

PARKER.

Required of Freshmen.

A study of functions and their graphs, the limit notion, graphical treatment of rates, mean ordinates, maximum and minimum, areas, etc.—an introduction to the notions of the differential and integral calculus. Graphical solution of equations.

2. MATHEMATICAL ANALYSIS II.

PROFESSORS HENDERSON, Credit, 1 course.
 LASLEY, MACKIE, BROWNE, *Five hours a week.*
 MESSRS. HILL, EDWARDS, *Every Quarter.*
 STEPHENSON, AND PARKER.

Required of Freshmen.

Solution of right and oblique triangles with applications. Logarithms and their application to computation. Solution of equations. Trigonometric analysis, series, permutations, combinations, complex numbers.

3. ANALYTIC GEOMETRY.

PROFESSOR BROWNE. Credit, 1 course.
 Sophomore, Junior, and *Five hours a week.*
 Senior elective. *Fall and Spring Quarters.*

Prerequisites, Mathematics
 1 and 2.

A course in the fundamentals of analytic geometry, the straight line, circle, parabola, ellipse, hyperbola, higher plane curves, transformations of coördinates, geometry of space.

1E-2E-3E. UNIFIED MATHEMATICS FOR ENGINEERS.

PROFESSORS HOBBS AND Credit, 1 course each.
 WINSOR. *Six hours a week.*
 Required of Freshmen in *Fall, Winter, and Spring Quarters.*
 engineering courses.

This course is designed for engineering students and deals with college algebra, trigonometry, and analytic geometry, including an introduction to the differential and integral calculus. The fundamental purpose of this course is so to coördinate these subjects as to train students to handle readily practical problems in engineering.

4. DIFFERENTIAL CALCULUS.

PROFESSOR MACKIE. Credit, 1 course.
 Prerequisite, Mathematics *Five hours a week.*
 1, 2, and 3. *Winter Quarter.*

A study of the differentiation process and its application to geometry, physics, and mechanics, including the notions of curvature, partial differentiation, envelopes, series, expansion of functions, etc.

5. INTEGRAL CALCULUS. Credit, 1 course.

PROFESSOR MACKIE. *Five hours a week.*
 Prerequisite, Mathematics 4. *Spring Quarter.*

This course centers around the idea of the definite integral, considering in detail problems arising in geometry and the physical sciences, including length of curves, areas, volumes, moment of inertia, etc.

4E-5E-6E. CALCULUS FOR ENGINEERING STUDENTS.

PROFESSOR HOBBS AND WINSOR. Credit, 1 course each.
Six hours a week.
 Prerequisite, Mathematics 3 or 3E. *Fall, Winter, and Spring Quarters.*
 Required of Sophomores in engineering courses.

The first quarter is devoted to a study of the derivative and its applications to geometry and mechanics, expansion of functions, partial differentiation; the second deals chiefly with the definite integral and its applications; the third consists of engineering problems involving calculus, together with an elementary treatment of differential equations.

10. DIFFERENTIAL EQUATIONS.

PROFESSOR HENDERSON. Credit, 1 course.
 Prerequisite, Mathematics 5. *Five hours a week.*
Fall Quarter.

This is a course both for students intending to specialize in mathematics and for students in advanced engineering, civil, electrical, and chemical. Among the subjects treated are singular solutions, applications to mechanics, geometry, and physics, linear equations with both constant and variable coefficients, equations involving more than two variables, partial differential equations and spatial forms.

12. THEORETICAL MECHANICS.

PROFESSOR HOBBS. Credit, 1 course.
 Prerequisite, Mathematics 5 or 5E. *Five hours a week.*
Fall Quarter.

An introductory course in mechanics employing the methods of the calculus.

13. THEORY OF EQUATIONS.

PROFESSOR HENDERSON. Credit, 1 course.
 Prerequisite, Mathematics 5. *Five hours a week.*
Spring Quarter.

Indispensable for students intending to prosecute studies in the higher branches of pure mathematics. Such subjects as the solution of equations of higher degrees, transformations, determinants, elimination, invariants and covariants, and symmetric functions are treated in detail. The student is afforded a survey of the general problem and the basic principles of the formation, handling, and evolution of equations.

Courses for Graduates and Advanced Undergraduates

52. ELEMENTARY PROJECTIVE GEOMETRY.

PROFESSOR LASLEY. Credit, 1 course.
 Prerequisite, Mathematics 5. *Five hours a week.*
Fall Quarter.

The fundamental notions of projective geometry: projection, section perspectivity, etc. Both analytic and geometric methods are employed. Projective correspondence, involution, and general projective relations between one dimensional forms are studied.

53. ADVANCED PROJECTIVE GEOMETRY.

PROFESSOR LASLEY. Credit, 1 course.

Prerequisite, Mathematics 5. *Five hours a week.*

52. *Winter Quarter.*

General homogeneous coördinates, collineation, correlation, homology, projective correspondence between two dimensional forms are studied. A projection theory of conics is developed, also the notions of line geometry.

54-55. ANALYTIC GEOMETRY OF SPACE.

PROFESSOR HENDERSON. Credit, 2 courses.

Prerequisite, Mathematics 5. *Five hours a week.*

Fall and Winter Quarters.

Treats of the spatial relations from the analytical standpoint. Deals with quadratic surfaces, envelopes, foci, quadri-planar and tetrahedral coördinates, developable surfaces, curves in space, curvature of surfaces, higher surfaces, etc.

56-57-58. GRAPHICAL ANALYSIS.

PROFESSOR HOBBS. Credit, $\frac{1}{2}$ course.

Prerequisite, Mathematics 5 *Three hours a week.*

or equivalent.

Fall, Winter, and Spring Quarters.

A study of alignment charts and of equations determined from empirical data, with a brief treatment of the method of least squares.

60. DYNAMICS.

PROFESSOR HOBBS. Credit, 1 course.

Prerequisite, Mathematics 5 *Five hours a week.*

10 and 12.

Winter Quarter.

Differential equations of motion, equations of orbits, D'Alembert's principle, motion of a rigid body. Not given in 1923-1924.

61. VECTOR ANALYSIS.

PROFESSOR HOBBS. Credit, 1 course.

Prerequisite, Mathematics 5 *Five hours a week.*

60.

Spring Quarter.

A study of some of the general principles of mechanics in the language of vectors. Not given in 1923-1924.

62. FOUNDATIONS OF GEOMETRY.

PROFESSOR HENDERSON. Credit, 1 course.
Prerequisite, Mathematics 5 and 52. *Five hours a week.*
Winter Quarter.

A course designed to meet the needs of students experienced in mathematical thinking. A survey of the contributions of Pasch, Peano, Hilbert, and their school to our knowledge of the foundations of geometry; a study of the axioms, of systems of geometry, etc.

Courses Primarily for Graduates

100. THEORY OF FUNCTIONS OF A REAL VARIABLE.

PROFESSOR MACKIE. Credit, 1 course.
Prerequisite, Mathematics 10 and 13. *Five hours a week.*
Fall Quarter.

The real number system, elementary properties of point sets, variables and functions, series of functions, implicit functions, theory of definite integrals.

101. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE.

PROFESSOR MACKIE. Credit, 1 course.
Prerequisite, Mathematics 100. *Five hours a week.*
Winter Quarter.

Complex numbers, differentiation and integration, conformal mapping, linear fractional transformations, single and multiple valued functions. Not given in 1923-1924.

102. HIGHER PLANE CURVES.

PROFESSOR LASLEY. Credit, 1 course.
Prerequisite, Mathematics 10. *Five hours a week.*
Spring Quarter.

A course dealing with plane curves, particularly conics, cubics, and quartics: polarity, Pluecker formulae, curves of Hesse, Steiner and Cayley, classification of cubics, intersections of curves, singularities of curves, unicursal curves.

104. THEORY OF NUMBERS.

PROFESSOR BROWNE. Credit, 1 course.
Prerequisite, Mathematics 10. *Five hours a week.*
Winter Quarter.

An elementary course in the study of the properties of the rational integers, including the study of the question of divisibility, greatest common divisor of two or more integers, solution of simple congruences, quadratic residues, quadratic reciprocity law, representation of integers by quadratic forms, equivalence of quadratic forms, etc.

105. DIFFERENTIAL GEOMETRY.

PROFESSOR LASLEY. Credit, 1 course.
 Prerequisite, Mathematics 10 and 54. *Five hours a week.*
Spring Quarter.

A study of the metric differential geometry of curves, surfaces, and curves on surfaces, systems of curves defined by differential equations, surfaces given by two quadratic differential forms. Not given in 1923-1924.

106. INTRODUCTION TO THE THEORY OF RELATIVITY.

PROFESSOR HENDERSON. Credit, 1 course.
 Prerequisite, Mathematics 5 and 12. *Five hours a week.*
Spring Quarter.

In this course the essential features of the special and the general relativity theories of Einstein are set forth from the mathematical point of view. Particular study is made of the Lorentz transformation, the theory of tensors, and the absolute differential calculus. Not given in 1923-1924.

108. MODERN HIGHER ALGEBRA.

PROFESSOR BROWNE. Credit, 1 course.
 Prerequisite, Mathematics 7. *Five hours a week.*
Spring Quarter.

Polynomials and their fundamental properties, determinants, theory of linear dependence, linear equations, matrices, invariants, bilinear and quadratic forms.

109. ELEMENTS OF NON-EUCLIDEAN GEOMETRY.

PROFESSOR HENDERSON. Credit, 1 course.
 Prerequisite, Mathematics 52. *Five hours a week.*
Spring Quarter.

The subject is treated chronologically. The contributions of Bolyai, Lobachewsky, Riemann, Cayley, Klein are studied, analyzed, and compared.

DEPARTMENT OF MUSIC

PAUL JOHN WEAVER, B.A., A.A.G.O., *Professor of Music.*
 THOMAS HOFFMAN HAMILTON, A.M., *Instructor in Music.*
 DAVID LESLIE SHELDON, *Instructor in Music.*

Courses for Undergraduates

2-3-4. APPRECIATION OF MUSIC.

PROFESSOR WEAVER. Credit, 1½ courses.
Three hours a week.
Fall, Winter, and Spring Quarters.

An illustrated course primarily for students who have had little or no musical training.

7-8-9. SIGHT-SINGING AND EAR-TRAINING.

MR. HAMILTON.

Credit, 3 courses.

*Five hours a week.**Fall, Winter, and Spring Quarters.*

A course in the reading of music notation, from the standpoint of both eye and ear. No prerequisites or previous training are necessary for number 7; students will be admitted to number 8 at the beginning of the winter quarter or number 9 at the beginning of the spring quarter, who have had the equivalent of the work covered in the course up to that point. Students registered for this course who become members of the University Glee Club will be allowed to count their club rehearsal time as the outside practice and preparation for this course.

10-11-12. HISTORY OF MUSIC.

PROFESSOR WEAVER.

Credit, $1\frac{1}{2}$ courses.*Three hours a week.**Fall, Winter, and Spring Quarters.*

A study of the historical development of music. The work of each term is separate from that of the other terms, and students may enter the course at the beginning of any term.

20-21-22. HARMONY.

PROFESSOR WEAVER.

Credit, $1\frac{1}{2}$ courses.*Three hours a week.**Fall, Winter, and Spring Quarters.*

A beginner's course in elementary harmony. Prerequisite, ability to read music notation.

23-24-25. ORCHESTRATION.

MR. SHELDON.

Credit, 3 courses.

*Five hours a week.**Fall, Winter, and Spring Quarters.*

A course in the study of the principles and practice of instrumentation for band and orchestra, preceded by a review of harmonic principles. Orchestra and band music will be heard, analyzed, and studied, and music will be arranged for orchestra and band. Students registered for this course who become members of the University Band or the University Orchestra will be allowed to count their Band or Orchestra rehearsal time as the outside practice and preparation for this course.

26-27-28. COUNTERPOINT.

PROFESSOR WEAVER.

Credit, $1\frac{1}{2}$ courses.

Junior and Senior elective.

*Three hours a week.**Fall, Winter, and Spring Quarters.*

Prerequisite, one year of harmony (courses 20, 21 and 22 or their equivalent).

Special Courses

A. INDIVIDUAL INSTRUCTION IN PIANO.

MR. HAMILTON.

No credit.

Fee, \$1.00 a lesson.

One or more individual instruction periods a week, hour to be arranged with the instructor. Registration should be made with the instructor, not with the University Registrar.

B. INDIVIDUAL INSTRUCTION IN VOICE.

MR. HAMILTON.

No credit.

Fee, \$1.00 a lesson.

One or more individual instruction periods a week, hour to be arranged with the instructor. Registration should be made with the instructor, not with the University Registrar.

C. INDIVIDUAL INSTRUCTION IN VIOLIN.

MR. SHELDON.

No credit.

Fee, \$1.00 a lesson.

One or more individual instruction periods a week, hour to be arranged with the instructor. Registration should be made with the instructor, not with the University Registrar.

NOTE: The following regulations govern individual instruction in music; courses A, B, and C.

1. Practise rooms and periods are assigned by the instructor. Fee for one daily practise period, \$2.00 a term.

2. After registration with the instructor, all fees for the term must be paid to the University Treasurer and receipts for such fees must be returned to the instructor before the first lesson period.

3. Regularly assigned lessons missed by the student without previous arrangement with the instructor are not to be made up or refunded for, except with the permission of the head of the department.

DEPARTMENT OF PHILOSOPHY

HENRY HORACE WILLIAMS, A.M., B.D., *Professor of Philosophy.*

Courses for Undergraduates

10-11-12. LOGIC.

PROFESSOR WILLIAMS.

Credit, 1½ courses.

Junior and Senior elective.

*Three hours a week.**Fall, Winter, and Spring Quarters.*

The study of logic in life; lectures, with text-books.

13-14. ETHICS.

PROFESSOR WILLIAMS.

Credit, 1 course.

Junior and Senior elective.

*Three hours a week.**Fall and Winter Quarters.*

Criticisms and discussions.

16-17-18. PHILOSOPHY.

PROFESSOR WILLIAMS.

Credit, 1½ courses.

Junior and Senior elective.

*Three hours a week.**Fall, Winter, and Spring Quarters.*

A study of the forces that shape life; lectures; theses.

Courses for Graduates and Advanced Undergraduates

19-20-21. PHILOSOPHY.

PROFESSOR WILLIAMS.

Credit, 1½ courses.

*Three hours a week.**Fall, Winter, and Spring Quarters.*

A companion course to Philosophy 16-17-18. The aim of the course is to sketch the forces masterful in modern life.

Courses Primarily for Graduates

22-23-24. EPISTEMOLOGY.

PROFESSOR WILLIAMS.

Credit, 1½ courses.

*Three hours a week.**Fall, Winter, and Spring Quarters.*

A study of the Critical Philosophy; lectures, theses. The year is devoted to the study of Kant's philosophy.

DEPARTMENT OF PHYSICS

ANDREW HENRY PATTERSON, A.M., *Professor of Physics.*OTTO STUHLMAN, JR., Ph.D., *Associate Professor of Physics.*JOHN FENTON DAUGHERTY, A.B., *Instructor in Physics.*

Assistants in Physics, 1922-1923

WILTON CATHEY.

WILLIAM ERNEST COMER.

PAUL D. STEPHENSON.

(For description of Physical Laboratories, see page 53).

Courses for Undergraduates

1. GENERAL PHYSICS. PART I.

PROFESSORS PATTERSON AND

Credit, 1 course.

STUHLMAN AND MR.

Six hours a week.

DAUGHERTY.

Fall and Spring Quarters.

Sophomore, Junior, and

Laboratory fee, \$2.50

Senior elective.

Prerequisite, Mathematics 1-2.

Mechanics of solids, liquids, and gases; Sound and Heat. Lectures; text-book, Kimball's College Physics; problems; laboratory work.

2. GENERAL PHYSICS. PART 2.

PROFESSORS PATTERSON AND STUHLMAN AND MR. DAUGHERTY. Credit, 1 course.
Six hours a week.
Winter Quarter.
 Sophomore, Junior, and Senior elective.
 Laboratory fee, \$4.00.
 Prerequisites, Mathematics 1-2 and Physics 1.

Light, Electricity, and Magnetism. Lectures; text-book, Kimball; problems; laboratory work.

1-2-3E. PHYSICS FOR ENGINEERING STUDENTS.

PROFESSORS PATTERSON AND STUHLMAN AND MR. DAUGHERTY. Credit, 2 courses.
Four hours a week.
Fall, Winter, and Spring Quarters.
 Required of Engineering Sophomores.
 Laboratory fee, \$2.50 a quarter.
 Prerequisite, Mathematics 1-2-3E or equivalent.

This is a course given with special reference to the needs of students of Engineering, both in the lecture work and in the laboratory, while a great deal of problem work is given on subjects dealing with Engineering.

3-4. ELECTRICITY AND MAGNETISM.

PROFESSOR PATTERSON. Credit, 1 course.
 Junior and Senior elective. *Three hours a week.*
 Prerequisite, Mathematics 1-2. *Fall and Winter Quarters.*

A general course, but intended especially for medical students. Lectures, text-book, laboratory work.

14. ASTRONOMY.

PROFESSOR PATTERSON. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
 Prerequisite, Physics 1-2. *Fall Quarter.*

A general course in descriptive and historical astronomy; lectures and recitations, with use of lantern slides, star-maps, telescope, etc.

Courses for Graduates and Advanced Undergraduates

5. HEAT AND THERMODYNAMICS.

PROFESSOR PATTERSON. Credit, 1 course.
 Prerequisites, Physics 1-2 *Five hours a week.*
 and Mathematics 4. *Fall Quarter.*

Lectures, problems, and laboratory work. (Offered in 1922 and alternate years).

6. MECHANICS AND WAVE MOTION.

PROFESSOR STUHLMAN. Credit, 1 course.
 Prerequisites, Physics 1-2 *Five hours a week.*
 and Mathematics 4. *Fall Quarter.*
Laboratory fee, \$2.00.

Lectures, problems, and laboratory work. (Offered in 1922 and alternate years).

7. MODERN ELECTRICAL THEORY.

PROFESSOR PATTERSON. Credit, 1 course.
 Prerequisites, Physics 1-2 *Five hours a week.*
 and Chemistry 1. *Spring Quarter.*

Lectures and laboratory work; the electron theory, atomic structure, radioactivity, etc.

8. ADVANCED ELECTRICITY AND MAGNETISM.

PROFESSOR PATTERSON OR Credit, 1 course.
 PROFESSOR STUHLMAN. *Five hours a week.*
 Prerequisites, Physics 1-2 *Spring Quarter.*
 and Mathematics 4.

An introduction to the mathematical treatment of these subjects. (Offered in 1923 and alternate years).

9. OPTICS.

PROFESSOR STUHLMAN. Credit, 1 course.
 Prerequisites, Physics 1-2 *Five hours a week.*
 and Mathematics 4. *Fall Quarter.*
Laboratory fee, \$2.50.

A treatment of the fundamental principles of geometrical and physical optics; lectures, problems, and laboratory work. (Offered in 1923 and alternate years).

10-11. INTRODUCTION TO MATHEMATICAL PHYSICS.

PROFESSOR STUHLMAN. Credit, 2 courses.
 Prerequisites, Mathematics *Five hours a week.*
 4 and 10, or their *Winter and Spring Quarters.*
 equivalent.

(Offered in 1922 and alternate years).

12. ADVANCED GENERAL LABORATORY.

PROFESSOR PATTERSON OR Credit, $\frac{1}{2}$ course.PROFESSOR STUHLMAN. *Any Quarter.**Two laboratory periods, of three hours each, a week.**Laboratory fee, \$5.00.*

This course affords an opportunity for further training and experimental study in physics not given in other courses.

15-16. RESEARCH FOR SENIORS.

PROFESSORS PATTERSON Credit, 2 courses.

AND STUHLMAN. *Laboratory fee, \$5.00.*

Courses Primarily for Graduates

115ab. ATOMIC STRUCTURE.

PROFESSOR PATTERSON. Credit, 2 courses.

Prerequisites, Physics 7 *Five hours a week.*
and Mathematics 4.

A critical survey of the experimental and theoretical evidence in various branches of physics for the present theories of the structure of atoms and molecules. A reading knowledge of French and German is required.

116. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM.

PROFESSOR STUHLMAN. Credit, 1 course.

Prerequisites, Mathematics *Five hours a week.*
4 and 10.

General electrostatic theory; ideal electric fields; condensers with homogeneous and non-homogeneous dielectrics; general laws of conduction; thermal effects; magnetostatic fields; electromagnetic phenomena; electric waves.

117. THEORY OF LIGHT.

PROFESSOR STUHLMAN. Credit, 1 course.

Prerequisites, Mathematics *Five hours a week.*
4 and 10.

1. Geometrical optics. 2. Physical optics. 3. Optical properties of crystals and metals. 4. Magneto-optics and radiation. A reading knowledge of French and German is required.

118. THEORY OF RELATIVITY.

PROFESSOR PATTERSON. Credit, 1 course.

Prerequisites, Mathematics *Five hours a week.*
4 and 10.

A critical study of the experiments leading to the development of the theory of relativity; Einstein's work; study of contemporary articles on the subject. A reading knowledge of German is required.

NOTE.—Courses in advanced Analytic Mechanics are offered by the Department of Mathematics.

120. RESEARCH.

PROFESSORS PATTERSON
AND STUHLMAN.

Intended for applicants for advanced degrees. Experimental work. Subject must be assigned or approved by the professor in charge. A reading knowledge of French and German is required.

DEPARTMENT OF PSYCHOLOGY

JOHN FREDERICK DASHIELL, Ph.D., *Professor of Psychology.*

HARRY WOLVEN CRANE, Ph.D., *Associate Professor of Psychology.*

FLOYD HENRY ALLPORT, Ph.D., *Associate Professor of Psychology.*

MARION REX TRABUE, Ph.D., *Professor of Educational Administration.*

Teaching Fellows in Psychology, 1922-1923

FREDERICK MAST DULA, A.B.

HENRY ARTHUR HELMS, A.B.

Assistants in Psychology, 1922-1923

JOHN MCKINLEY BROWN.

WILLIAM MURRAY LINKER.

Courses for Undergraduates

1-2. GENERAL PSYCHOLOGY.

PROFESSORS DASHIELL AND ALLPORT. Credit, 2 courses.

Six hours a week.

Sophomore, Junior and Senior elective. *Fall and Winter, Winter and*

Spring, or Spring and Fall Quarters.

Laboratory fee, \$1.00 a quarter.

The aim of the course is to present the essential phenomena of psychology, and the various methods of approach. Emphasis is placed on the organic relationships within the whole field. Lectures, text-books, laboratory.

10. EXPERIMENTAL PSYCHOLOGY.

PROFESSOR ALLPORT. Credit, 1 course.
 Prerequisite, Psychology *Five hours a week.*
 1-2. *Winter Quarter.*
Laboratory fee, \$2.00.

In course 1-2 an experimental acquaintance was obtained with the *phenomena* and *laws* of psychology. This course aims to present the *methods* of experimental technique and treatment of results in the various fields of psychological research. Experiments, readings, lectures.

Courses for Graduates and Advanced Undergraduates

20. EDUCATIONAL PSYCHOLOGY: GENERAL.

PROFESSOR DASHIELL. Credit, 1 course.
 Prerequisite, Psychology *Five hours a week.*
 1-2. *Winter Quarter.*

To consider critically different topics such as original nature of man, heredity versus environment, kinds of learning and factors influencing learning, individual differences, mental hygiene, mental measurement. Texts, lectures, and experiments.

22. EDUCATIONAL PSYCHOLOGY: THE PSYCHOLOGY OF TRAINING.

PROFESSOR DASHIELL. Credit, 1 course.
 Prerequisite, Psychology *Five hours a week.*
 1-2. *Spring Quarter.*

An analysis of human training; its nature, means, and possibilities. A reading survey will be made of the outstanding experimental work on these lines. The aim will be to get an accurate and scientific notion of the subject, with possibilities of application to various fields of applied psychology, including education and industry. Readings, discussions, experiments.

25. ANIMAL PSYCHOLOGY.

PROFESSOR DASHIELL. Credit, 1 course.
 Prerequisite, Psychology *Five hours a week.*
 1-2. *Fall Quarter.*

Development of mind in the animal. Study of behavior as analyzable into tropisms, reflexes, instincts, habits, learning capacities, etc. Comparisons between different phyla of animals and between animals and man. Texts, lectures, and experiments.

26. CHILD PSYCHOLOGY.

PROFESSOR ALLPORT. Credit, 1 course.
 Prerequisite, Psychology *Five hours a week.*
 1-2. *Fall Quarter.*

The development of behavior in the child. The chief subdivisions to be studied are the original behavior equipment, the growth and maturation of structure, the acquisition of habits, the development of capacity, and the formation of interests. Attention will be given to conflict of interests and mental hygiene. This course is the natural introduction to the following courses in educational psychology. Lectures, texts, and practical observations.

30. SOCIAL PSYCHOLOGY.

PROFESSOR ALLPORT.	Credit, 1 course.
Prerequisite, Psychology	<i>Five hours a week.</i>
1-2.	<i>Fall Quarter.</i>

An introduction to the study of the individual in his social aspects and social behavior. The topics include social drives and habits, languages, facial expression, group and crowd phenomena, and social conflict and adjustment. The latter part of the course will apply the laws of social psychology in the fields of sociology, economics, and other social sciences. Lectures, texts, and reports of current social phenomena.

35. ECONOMIC PSYCHOLOGY: INDUSTRIAL.

PROFESSOR ALLPORT.	Credit, 1 course.
Prerequisite, Psychology	<i>Five hours a week.</i>
1-2.	<i>Spring Quarter.</i>

There will be two main divisions of the course, as follows: (1) The adjustment of the worker to his work—including industrial training effects of incentive, monotony, and fatigue; motion study; and mental hygiene in industry. (2) The selection of personnel for various kinds of work, with the industrial use of tests of intelligence and personality. An outline of vocational psychology will be given, and the psychology of salesmanship discussed. Lectures, experiments, readings.

36. ECONOMIC PSYCHOLOGY: ADVERTISING.

PROFESSOR CRANE.	Credit, 1 course.
Prerequisite, Psychology	<i>Five hours a week.</i>
1-2.	<i>Spring Quarter.</i>

An attempt is made to present systematically those aspects of psychology that will aid the advertiser more effectively to construct and present his advertisements. While aiming to give information of practical value the emphasis is placed upon the establishing of a point of view that will be of assistance in the development of a general technique on the part of the advertiser.

43. ELEMENTS OF STATISTICAL METHODS.

PROFESSOR TRABUE. Credit, 1 course.
 Prerequisite, Psychology *Five hours a week.*
 1-2. *Spring Quarter.*

The first meetings in this course will consider various methods of collecting data for educational, psychological, social, and economic investigations. The interpretation of data by graphic and mathematical devices will be taught chiefly by examples. Numbering, tabulation, the calculation of averages and variabilities, the transmutation of measures, and simple correlations will be included. Students will be required to plan experiments and statistical investigations for the solution of problems in their own fields of interest. Readings, demonstrations, problems, reports, and critical discussions.

45. ABNORMAL PSYCHOLOGY: FEEBLE-MINDEDNESS.

PROFESSOR CRANE. Credit, 1 course.
 Prerequisite, Psychology *Five hours a week.*
 1-2. *Winter Quarter.*

Presentation of the psycho-neural aspects of feeble-mindedness in general, and of the various types, together with their importance in relation to the problems of education, dependency, and delinquency. There will be discussion and demonstration of the various clinical methods of determination and classification of feeble-mindedness.

46. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES.

PROFESSOR CRANE. Credit, 1 course.
 Prerequisite, Psychology *Five hours a week.*
 1-2. *Spring Quarter.*

A study is made of the more important deviations from the normally reacting and experiencing human organism. Attention is given to the sensory, imaginal, emotional, motor, etc., abnormalities and to the occurrence of these in the various psychoses. Brief surveys are given of the methods of clinical psychology and of psychotherapy.

Courses Primarily for Graduates

101-102-103. EXPERIMENTAL PSYCHOLOGY.

PROFESSORS DASHIELL, Credit, 1 course each.
 CRANE, AND ALLPORT *Fall, Winter, and Spring Quarters.*
Laboratory fee, \$2.00 a quarter.

Opportunity will be offered for the experimental investigation of special problems along the line of the individual student's interests. Where necessary, adjustment of the work to the needs of graduate students lacking laboratory training in this field can be made.

105. ADVANCED GENERAL PSYCHOLOGY.

PROFESSOR CRANE.

Credit, 1 course.

Five hours a week.

Fall Quarter.

An intensive study is made of the general field of psychology. Emphasis is placed upon the neural mechanism as a basis of understanding both the mental and the reaction phenomena of psychology.

106. CONTEMPORARY PSYCHOLOGICAL TENDENCIES.

PROFESSOR DASHIELL.

Credit, 1 course.

Five hours a week.

Winter Quarter.

A more or less systematic survey of the more outstanding recent and contemporary movements in modern psychology. Readings assigned in the works of Wundt and Titchener, James, Hall, McDougall and Stout, Thorndike, Pavlov, Watson, Cannon, Freud and Jung, and perhaps others.

107. THE PSYCHOLOGY OF PERSONALITY.

PROFESSOR ALLPORT.

Credit, 1 course.

Five hours a week.

Winter Quarter.

This course defines personality as the aggregate of persistent behavior traits. The method of approach is dynamic and causal. Inheritance of capacities, dispositions, and defects, genetic development, and psychoanalytic method will be given special attention. The fundamental traits will be classified and studied by reference to case material. Types, or trait-patterns, will be discussed. Insight into the hygiene and improvement of the personality will be the practical aim of the course. Readings, discussions, analyses of cases.

DEPARTMENT OF ROMANCE LANGUAGES

WILLIAM MORTON DEY, Ph.D., *Professor of Romance Languages.*

*OLIVER TOWLES, Ph.D., *Professor of French.*

STURGIS ELLENO LEAVITT, Ph.D., *Professor of Spanish.*

HENRY DEXTER LEARNED, Ph.D., *Associate Professor of Romance Languages.*

HERMAN HENRY STAAB, A.M., *Assistant Professor of Romance Languages.*

HOWARD RUSSELL HUSE, Ph.B., *Assistant Professor of Romance Languages, Secretary of the Department.*

* Absent on leave on the Kenan Foundation, 1922-1923.

ALBERT SHAPIRO, Ph.D., *Assistant Professor of Spanish.*

FRANK JOHN HARONIAN, M.A., *Instructor in French.*

MARTIN KAHAO BROOKS, A.M., *Instructor in Romance Languages.*

MURAT HALSTEAD ROBERTS, A.M., *Instructor in Romance Languages.*

HARRY SYLVANUS VANLANDINGHAM, A.M., *Instructor in French.*

THOMAS JAMES WILSON III, A.B., *Instructor in French.*

CHARLES RUTHERFORD BAGLEY, B.A., B. Litt. (Oxon.), *Instructor in French.*

FREDERICK JAMES HURLEY, A.B., *Instructor in Spanish.*

THOMAS MORTIMER MCKNIGHT, A.B., *Instructor in Spanish.*

Teaching Fellows in Romance Languages, 1922-1923

WYATT ANDREW PICKENS, A.B.

THOMAS EWELL WRIGHT, A.B.

French

Courses for Undergraduates

1-2. ELEMENTARY COURSE.

PROFESSORS LEARNED AND Credit, 2 courses.

HUSE, MESSRS. HARONIAN, *Five hours a week.*

ROBERTS, VANLANDING- *Fall and Winter, or Winter and*
HAM, WILSON, AND *Spring Quarters.*
BAGLEY.

Essentials of French Grammar. Special drill in pronunciation. It is aimed to make this course as practical as possible, with much oral work. This course may be counted for credit by those only who fulfill the requirements for the A.B. degree in two other foreign languages, and provided it is followed by French 3-4. Course 2 will be given in the fall of 1923 also.

NOTE: No student is permitted to take French 1 or 2 and Spanish 1 or 2 at the same time.

3-4. CONTINUATION OF COURSE 1-2.

PROFESSORS TOWLES, HUSE, Credit, 2 courses.

AND STAAB, AND MESSRS. *Five hours a week.*

HARONIAN, BROOKS, ROB- *Fall and Winter, or Winter and*
ERTS, VANLANDING- *Spring Quarters.*
HAM, WILSON, AND
BAGLEY.

Freshman and Sophomore
elective.

Reading of modern French literature, frequent composition, and dictation. Course 4 will be given in the fall of 1923 also.

5. ADVANCED COURSE.

PROFESSORS TOWLES, Credit, 1 course.
LEARNED, AND HUSE. *Five hours a week.*
Sophomore, Junior, and *Every Quarter.*
Senior elective.

Prerequisite, French 3-4.

Introduction to the study of French literature. A general survey of French literature during the 17th century, with some reference to preceding literary movements. Reading of plays of Corneille, Racine, and Molière.

6. CONTINUATION OF FRENCH 5.

PROFESSORS DEY, TOWLES, Credit, 1 course.
AND LEARNED. *Five hours a week.*
Sophomore, Junior, and *Every Quarter.*
Senior elective.

Prerequisite, French 5.

A general survey of French literature of the 18th and 19th centuries, with special stress on the novel of the 19th century.

7. FRENCH CONVERSATION AND COMPOSITION.

MR. HARONIAN. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Prerequisite, French 5. *Fall or Spring Quarter.*

The object of this course is to provide students with an opportunity to acquire practice in spoken French. Discussions in French on subjects of general interest. Composition and outside reading.

8. FRENCH PHONETICS.

PROFESSOR DEY. Credit, $\frac{1}{2}$ course.
Junior and Senior elective. *Three hours a week.*
Prerequisite, French 5. *Every Quarter.*

A detailed study of the French vowel and consonant sounds by the phonetic method. This course should be elected by those who intend to teach French.

9. COMMERCIAL FRENCH.

PROFESSOR STAAB. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Prerequisite, French 5. *Fall or Spring Quarter.*

The object of this course is to give the student practical training in modern French. Newspaper and magazine articles dealing with the life and customs of the country will be read. Practice in social and commercial correspondence. This course will be largely conducted in French.

Courses for Graduates and Advanced Undergraduates

11-12. FRENCH LITERATURE IN THE SEVENTEENTH CENTURY.

PROFESSOR TOWLES. Credit, 2 courses.
 Prerequisite, French 6. *Five hours a week.*
Fall and Winter Quarters.

Classicism: Molière, Corneille, Racine, etc. Lectures, reading, reports.

13. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY.

PROFESSOR HUSE. Credit, 1 course.
 Prerequisite, French 6. *Five hours a week.*
Fall Quarter.

Voltaire, Montesquieu, Rousseau, les Encyclopédistes. A study of the literary movement of the century and of the origins of romanticism.

15-16. THE FRENCH ROMANTIC MOVEMENT.

PROFESSOR DEY. Credit, 2 courses.
 Prerequisite, French 6. *Five hours a week.*
Fall and Winter Quarters.

Lamartine, Hugo, Vigny, Musset, etc. Later literary movements are also touched upon. Lectures, reading, reports.

17-18. THE FRENCH DRAMA.

MR. BAGLEY. Credit, 2 courses.
 Prerequisite, French 6. *Five hours a week.*
Winter and Spring Quarters.

A study of the development of the drama in France. Lectures, reading, reports.

19. THE FRENCH NOVEL.

PROFESSOR DEY. Credit, 1 course.
 Prerequisite, French 6. *Five hours a week.*
Spring Quarter.

A study of the development of the novel in France. Lectures, reading, reports. (To be omitted 1923-1924; given in alternate years).

24. FRENCH POETRY.

PROFESSOR HUSE. Credit, 1 course.
 Prerequisite, French 6. *Five hours a week.*
One Quarter.

A study of French lyric verse, beginning with Villon. Lectures, reading, reports.

Courses Primarily for Graduates

101-102. STUDIES IN ROMANTICISM.

PROFESSOR DEY. Credit, 2 courses.

Prerequisite, French *Five hours a week.*15-16. *Fall and Winter Quarters.*

Intensive study of one author. Topic for 1923-1924: Victor Hugo.

103-104. THE FRENCH CLASSICAL DRAMA.

PROFESSOR TOWLES. Credit, 2 courses.

*Five hours a week.**Two Quarters.*

An intensive study of Corneille, Racine, and Molière. Investigation of sources, extensive collateral reading with oral reports, and a thesis.

105-106. THE SIXTEENTH CENTURY.

PROFESSOR TOWLES. Credit, 2 courses.

*Five hours a week.**Winter and Spring Quarters.*

Origins of the renaissance movement. Italian and French Humanism. The Reformation. Marot, Rabelais, Calvin, the Pléiade, Montaigne.

121-122-123. OLD FRENCH.

PROFESSOR LEARNED. Credit, 2 courses.

*Three hours a week.**Fall, Winter and Spring Quarters.*

Reading of the oldest texts: La Chanson de Roland; Aucassin et Nicolette; Chrétien de Troyes. Lectures on French Phonology and Morphology.

125. PROVENÇAL.

PROFESSOR LEARNED. Credit, 1 course.

*Five hours a week.**Spring Quarter.*

A study of the ancient language and literature of Provence. The poetry of the Troubadours.

131. INTRODUCTION TO LINGUISTIC SCIENCE.

PROFESSOR DEY. Credit, 1 course.

Spring Quarter.

Vowel measurements. Phonetic alphabets. Special attention to the pronunciation of French.

104. RESEARCH.

Research in a special field under the direction of a member of the department.

Spanish

Courses for Undergraduates

1-2. ELEMENTARY COURSE.

PROFESSORS SHAPIRO AND	Credit, 2 courses.
STAAB AND MESSRS.	<i>Five hours a week.</i>
McKNIGHT AND	<i>Fall and Winter, or Winter and</i>
PICKENS.	<i>Spring Quarters.</i>

Essentials of Spanish grammar. Special drill in pronunciation. Reading of selected texts, with much oral drill. This course may be counted for credit by those only who fulfill the requirements for the A.B. degree in two other foreign languages, and provided it is followed by Spanish 3-4. Course 2 will be given in the fall of 1923 also.

NOTE: No student is permitted to take Spanish 1 or 2 and French 1 or 2 at the same time.

3-4 CONTINUATION OF COURSE 1-2.

MESSRS. HURLEY AND	Credit, 2 courses.
McKNIGHT.	<i>Five hours a week.</i>
Freshman and Sophomore	<i>Fall and Winter or Winter and</i>
elective.	<i>Spring Quarters.</i>
Prerequisite, Spanish 1-2.	

Reading of modern Spanish literature, composition and dictation. Course 4 will be given in the fall of 1923 also.

5. MASTERPIECES OF SPANISH LITERATURE.

PROFESSOR LEAVITT.	Credit, 1 course.
Sophomore, Junior, and	<i>Five hours a week.</i>
Senior elective.	<i>Every Quarter.</i>
Prerequisite, Spanish 3-4.	

Extensive collateral reading. Oral drill in the spoken language. Topics of general interest discussed.

6. CONTINUATION OF SPANISH 5.

PROFESSOR SHAPIRO.	Credit, 1 course.
Sophomore, Junior, and	<i>Five hours a week.</i>
Senior elective.	<i>Winter, or Spring Quarter.</i>
Prerequisite, Spanish 5.	

Rapid reading. General survey of Spanish literature. Lectures and written reports.

9. COMMERCIAL SPANISH.

PROFESSOR LEAVITT AND	Credit, 1 course.
MR. HURLEY.	<i>Five hours a week.</i>
Junior and Senior elective.	<i>Spring Quarter.</i>
Prerequisite, Spanish 5.	

The object of this course is to give the student practical training in modern Spanish. Newspaper and magazine articles dealing with the life and customs of South America will be read. Practice in social and commercial correspondence. This course will be largely conducted in Spanish.

Courses for Graduates and Advanced Undergraduates

11-12. SPANISH DRAMA OF THE SIGLO DE ORO.

PROFESSOR LEAVITT. Credit, 2 courses.

Prerequisite, Spanish 6. *Five hours a week.*

Fall and Winter Quarters.

Earlier dramatists, representative plays of Lope de Vega, Tirso de Molina, Calderón, Ruiz de Alarcón, etc. Lectures and reports. (Omitted in 1924-1925. Given in alternate years).

19-20. THE SPANISH NOVEL.

PROFESSOR LEAVITT. Credit, 2 courses.

Five hours a week.

Fall and Winter Quarters.

A study of the development of the novel in Spain. (Omitted in 1923-1924. Given in alternate years).

21. MODERN SPANISH NOVELISTS.

PROFESSOR LEAVITT. Credit, 1 course.

Five hours a week.

Spring Quarter.

Consideration of present tendencies and intensive study of one representative author. (Omitted in 1923-1924. Given in alternate years).

Courses Primarily for Graduates

121-122. EARLY SPANISH.

PROFESSOR SHAPIRO. Credit, 2 courses.

Five hours a week.

Fall and Winter Quarters.

Ford's *Old Spanish Readings*. The Poem of the Cid. Spanish literature to the sixteenth century.

123. EARLY SPANISH LITERATURE.

PROFESSOR SHAPIRO. Credit, 1 course.

Prerequisite, Spanish *Five hours a week.*

121-122. *Spring Quarter.*

Intensive study of one representative author of this period.

131-132. INTRODUCTION TO SPANISH-AMERICAN LITERATURE.

PROFESSOR LEAVITT. Credit, 2 courses.

Five hours a week.

Two Quarters.

A study of notable authors and consideration of present-day writers.

140. RESEARCH.

Research in a special field under the direction of a member of the department.

Italian

Courses for Undergraduates

1-2. ELEMENTARY COURSE.

PROFESSOR HUSE. Credit, 2 courses.
 Junior and Senior elective. *Five hours a week.*
 Prerequisite, French 3-4 *Winter and Spring Quarters.*
 or Spanish 3-4.

Grammar, pronunciation, oral and written exercises. Reading of modern Italian texts.

3-4. MODERN ITALIAN LITERATURE.

PROFESSOR HUSE. Credit, 2 courses.
 Junior and Senior elective. *Five hours a week.*
 Prerequisite, Italian 1-2.

Continuation of courses 1 and 2 with readings from modern Italian poets, dramatists and novelists.

Courses for Graduates and Advanced Undergraduates

11. ITALIAN LITERATURE OF THE RENAISSANCE.

PROFESSOR HUSE. Credit, 1 course.
 Prerequisite, Italian 1-2. *Five hours a week.*

Reading from the principal authors, with special emphasis on Ariosto, Machiavelli, Castiglione, and the lyric poets. Collateral reading on the history of Italian culture during the Renaissance.

DEPARTMENT OF RURAL SOCIAL SCIENCE

EUGENE CUNNINGHAM BRANSON,* A.M., Litt.D., *Kenan Professor of Rural Social Economics.*

SAMUEL HUNTINGTON HOBBS, JR., A.M., *Assistant Professor of Rural Economics and Sociology.*

Courses for Undergraduates

1-2-3. FORMAL COURSE IN RURAL ECONOMICS.

PROFESSOR HOBBS. Credit, 3 courses.
 Junior and Senior elective. *Five hours a week.*
 Prerequisite or Corequisite: *Fall, Winter, and Spring Quarters.*
 Economics 1-2.

A background for defining and interpreting the economic problems of country life in North Carolina: Carver's *Principles of Rural Economics*. References: Nourse's *Readings in Agricultural Economics*, Carver's *Selected Readings in Rural Economics*.

* Absent on leave the last quarter of 1922-1923 and the first two quarters of 1923-1924.

5-6-7. CONSTRUCTIVE STUDIES IN RURAL SOCIOLOGY.

PROFESSOR BRANSON. Credit, 3 courses.
 Junior and Senior elective. *Five hours a week.*
 Prerequisite or Corequisite: *Fall, Winter, and Spring Quarters.*
 General Sociology 2.

Gillette's *Rural Sociology*. References: Galpin's *Rural Life*; Vogt's *Introduction to Rural Sociology*; Fiske's *Challenge of the Country*; Wilson's *Evolution of the Country Community, Sociology of Rural Life*, Proceedings of the American Sociological Society, Vol. IX, 1916; Phelan's *Readings in Rural Sociology*; Sims's *The Rural Community*.

9-10-11. LABORATORY COURSE IN RURAL ECONOMICS AND SOCIOLOGY.

PROFESSORS BRANSON AND CREDIT, 3 courses.
 HOBBS. *Five hours a week.*
 Junior and Senior elective. *Fall, Winter, and Spring Quarters.*
 Corequisite: 1-2-3 and
 5-6-7.

Home-county and home-state studies, research work, and surveys.

20. LECTURE AND RESEARCH COURSE ON NORTH CAROLINA.

PROFESSOR HOBBS. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
Fall Quarter.

This course is designed to familiarize the student with North Carolina: population, agriculture, resources, social life, economic development, industry.

21. AGRICULTURAL CO-OPERATION.

PROFESSOR HOBBS. Credit, 1 course.
 Junior and Senior elective. *Five hours a week.*
Winter Quarter.

Lecture and research. History of agricultural coöperation, principles of coöperation, coöperative organizations, rural credits, and coöperative marketing.

Courses for Graduates and Advanced Undergraduates

13-14-15. RURAL ECONOMICS.

PROFESSOR BRANSON. Credit, 3 courses.
Five hours a week.
Fall, Winter, and Spring Quarters.

Research, seminars, and field investigation in (1) land economics—resources, values, ownership and tenancy, laws and policies; (2) farm organization and management—farm systems, farm finance, distribution of farm products and the farm income, coöperative farm enterprise; (3) country wealth, country institutions

and problems; (4) state and county studies, economic, social, and civic; county bulletins, etc. Required preliminary preparation: approved courses in general and agricultural economics. Lacking such preparation, collateral courses in these subjects must be taken in residence here.

17-18-19. RURAL SOCIAL PROBLEMS.

PROFESSORS BRANSON AND Credit, 3 courses.

HOBBS.

Five hours a week.

Fall, Winter, and Spring Quarters.

1. Research, seminars, and field investigation of (1) rural social institutions and agencies, (2) transportation and communication facilities in rural areas, (3) country-mindedness and its sequences, (4) town and country interdependencies, (5) social disability in country areas, our public welfare laws and agencies, (6) social aspects of tenancy and illiteracy, (7) state and county studies, economic, social, and civic; county bulletins, etc. 2. Rural Social Surveys; research, technic, and field work. 3. Statistics; interpretation and use. 4. Rural Social Engineering: (1) county community studies; (2) community organization, economic and social; (3) county government; (4) country leadership, requisites and technic. Required preliminary preparation; approved courses in general and rural sociology, lacking which, collateral courses in these subjects must be taken in residence here.

DEPARTMENT OF SOCIOLOGY

HOWARD WASHINGTON ODUM, Ph.D., *Kenan Professor of Sociology.*

JESSE FREDERICK STEINER, Ph.D., *Professor of Social Technology.*

HAROLD DIEDRICH MEYER, A.M., *Associate Professor of Sociology.*

EUGENIA BRYANT, *Supervisor of Family Case Work and Lecturer on Family Case Problems.*

Courses for Undergraduates

1. THE ELEMENTS OF SOCIOLOGY.

PROFESSOR MEYER.

Credit, 1 course.

Five hours a week.

Every Quarter.

A course in the elements of social theory and its application to modern social problems and relations to the other social sciences. The study of population, institutions, social movements, human interests, social organization, and social progress.

2. PRINCIPLES OF SOCIOLOGY.

PROFESSOR ODUM. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Fall Quarter.

A study of the ranges of human experience and relationship through the analysis of social population, social forces, social processes, and social products. Effort will be made to study carefully social principles and their practical applications, and to learn not only social structure and social function, in general, but the possibilities and prospects of guiding the activities of social groups and social forces. Institutional modes of conduct will occupy a large place in the final considerations and conclusions.

3. STATISTICS AND STATISTICAL METHODS.

PROFESSOR ODUM. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Winter Quarter.

A brief survey of the field of theoretical statistics, with a thorough mastery of the elements of numbering, averages, modes, medians, variations, and scientific principles involved. Special emphasis will be placed upon practical methods of utilizing statistics, the recognition of facts, gathering data, compiling, plotting, conclusions, and the special application of statistics to social phenomena.

4. EDUCATIONAL SOCIOLOGY.

PROFESSOR ODUM. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Spring Quarter.

Standards of measurement of progress. Survey of sociological principles involved in their applications in education, politics, government, social work. The effective use of sociology in directing and controlling group progress, social institutions, democracy, and in the development of the total social personality of the individual. The coördination of institutional modes of activity and the enrichment, through coöperation, of social organization.

5. NEGRO PROBLEMS.

PROFESSOR ODUM. Credit, $\frac{1}{2}$ course.
Three hours a week.
Fall Quarter.

A study of the race problems of the South, with consideration of the history, economic and social status, and future of the negro. Standards of measurement for race progress; race relationships; the specific problems of the here and now of southern race relations. Seminar course.

6. PROBLEMS OF IMMIGRATION.

PROFESSOR STEINER.

Credit, $\frac{1}{2}$ course.*Three hours a week.**Winter Quarter.*

The essential problems of immigration in this country—history and analysis of immigration—restriction—adaptation—Americanization—Special problems of immigration in relation to industrial and social unrest and development.

7. PROBLEMS OF THE SMALL TOWN AND MILL VILLAGE.

PROFESSOR ODUM.

Credit, $\frac{1}{2}$ course.*Three hours a week.**Spring Quarter.*

The romance of the small town—its place in the American commonwealth—relationship to this state—town planning—the mill village: its social and industrial problems—special studies of selected towns.

8. PRINCIPLES OF COMMUNITY ORGANIZATION.

PROFESSOR STEINER.

Credit, $\frac{1}{2}$ course.*Three hours a week.**Winter Quarter.*

A consideration of the social theories that underlie the modern community movement; a critical review of the role of custom, habit, crisis, and gregariousness in community development. Special attention is given to the place of the crowd spirit in community work and to effective means of achieving community solidarity. An evaluation of community forces with a view to discovering the principles involved in their organization and co-ordination.

9. ADMINISTRATION OF COMMUNITY WORK.

PROFESSOR STEINER.

Credit, $\frac{1}{2}$ course.*Three hours a week.**Spring Quarter.*

A general survey of typical experiments in community organization; development and coördination of community activities illustrated by case records; a comparative study of methods of administration with special attention to problems of central financing of social agencies; qualifications for leadership in community work.

10. THE STUDY OF SOCIAL PROBLEMS.

PROFESSORS ODUM AND
MEYER.

Credit, 1 course.

*Five hours a week.**Every Quarter.*

The study of Modern Social Problems. Part I. The individual in relation to society. Part II. The Modern Problems, classified in accordance with the six major social institutions. Part III. Democracy, Public Welfare, and Social Progress.

11. THE FAMILY.

PROFESSOR STEINER.

Credit, $\frac{1}{2}$ course.

Three hours a week.

Fall Quarter.

Early forms of the family in primitive society; its historical development during Greek, Roman, and Mediæval periods. The modern family and its problems.

12. CRIME AND ITS SOCIAL TREATMENT.

PROFESSOR STEINER.

Credit, $\frac{1}{2}$ course.

Three hours a week.

Winter Quarter.

Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the social treatment of the criminal; the problems of juvenile delinquency.

13. SOCIAL PATHOLOGY.

PROFESSOR STEINER.

Credit, $\frac{1}{2}$ course.

Three hours a week.

Spring Quarter.

A study of the abnormal and pathological aspects of social life: problems of dependency and degeneracy, and methods of care and treatment of dependent and defective classes.

14. FAMILY CASE WORK.

PROFESSOR

Credit, 1 course.

Five hours a week.

Fall or Spring Quarter.

Discussion of the relation of the individual to the family and the family to the community. The technique of case work and its scientific approach—methods of investigation, interviewing, social evidence, sources, diagnosis, treatment.

15. ADVANCED FAMILY CASE WORK.

PROFESSOR

Credit, 1 course.

Five hours a week.

Fall or Spring Quarter.

A continuation of Sociology 14, devoted to a more extensive discussion of case work methods and their application, with special reference to different types of problems. Discussion of agencies, public and private, dealing with case problems. Wider implications of case work are given consideration together with legislation affecting the case work field.

20. SOCIOLOGY: THE PRINCIPLES OF FIELD WORK.

PROFESSOR MEYER.

Credit, $\frac{1}{2}$ course.

Three hours a week.

Fall Quarter.

The study and demonstration of field work as a standard laboratory course in social science. Fourteen hours a week required of all who major in community work.

21. SOCIOLOGY: FIELD WORK AND COMMUNITY SURVEYS.

PROFESSOR MEYER.

Credit, $\frac{1}{2}$ course.

Three hours a week.

Winter Quarter.

Planning for community recreation. Special days—Special programs for communities—Map-drawing and surveys—Community Fairs.

22. SOCIOLOGY: COMMUNITY SURVEYS.

PROFESSOR MEYER.

Credit, $\frac{1}{2}$ course.

Three hours a week.

Winter Quarter.

Planning and organizing surveys. Making survey schedules. Tabulating statistical information. Interpreting results. Publishing information obtained. The students will be expected to participate in the survey of a local community.

24. SOCIOLOGY: THE PHILOSOPHY OF PLAY.

PROFESSOR MEYER.

Credit, $\frac{1}{2}$ course.

Three hours a week.

Spring Quarter.

A study of the play instincts—the relation of play to physical growth, to mental, social, and moral development—theories of play—social significance in modern times. To be taken with Sociology 20, 21.

27. SOCIOLOGY: STANDARDS OF CHILD WELFARE.

PROFESSOR

Credit, $\frac{1}{2}$ course.

Three hours a week.

Winter Quarter.

The minimum standards of child welfare. Analysis of the problems of today and of current conditions. The study of stated community and legislative remedies; the study of special forms of child welfare—baby-saving and infant welfare movements; child institutes; dependent and delinquent childhood.

28. SOCIOLOGY: JUVENILE DELINQUENCY.

PROFESSOR

Credit, $\frac{1}{2}$ course.

Three hours a week.

Spring Quarter.

A study of the problems of juvenile delinquency together with modern methods of treatment. The Juvenile Court, methods of probation, the visiting teacher.

Courses Primarily for Graduates

121. SOCIOLOGY: THE PRINCIPLES OF SOCIOLOGY.

PROFESSOR ODUM.

Credit, 1 course.

*Five hours a week.**Fall Quarter.*

A graduate seminar in the study of advanced social theory and research into some special social problems.

122. SOCIOLOGY: EDUCATIONAL SOCIOLOGY.

PROFESSOR ODUM.

Credit, 1 course.

*Five hours a week.**Winter or Summer Quarter.*

An advanced course in the study of scientific programs of social progress. Objective measurement of social influences and social groups. Research into some specific problem relating to one of the larger institutions.

123. SOCIOLOGY: HISTORICAL SOCIOLOGY.

PROFESSOR ODUM.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

A study of the leading social theorists and their contribution to human thought and welfare. Research into the theories of some selected writer.

124. SOCIOLOGY: POVERTY AND RELIEF.

PROFESSOR STEINER.

Credit, 1 course.

*Five hours a week.**Fall Quarter.*

A research seminar on the social treatment of the dependent in society. One special topic selected for research, as the County Home.

125. SOCIOLOGY: NATIONAL AGENCIES FOR PUBLIC SERVICE.

PROFESSOR STEINER.

Credit, 1 course.

*Five hours a week.**Winter Quarter.*

A graduate seminar in the study of state and national agencies, public and private, for the administration of relief.

126. SOCIOLOGY: COMMUNITY ORGANIZATION.

PROFESSOR STEINER.

Credit, 1 course.

*Five hours a week.**Spring Quarter.*

An advanced course following Sociology 8. Intensive study of special movements and new theory and practice in community organization and leadership.

DEPARTMENT OF ZOOLOGY

HENRY VANPETERS WILSON, Ph.D., *Kenan Professor of Zoology.*

ROBERT ERVIN COKER, Ph.D., *Professor of Zoology.*

Assistants in Zoology, 1922-1923

CHARLES AUGUSTUS HOLSHOUSER

FRANCIS OVERSTREET GLOVER

HARRY SMITH ANDREWS

(For description of Biological Laboratories, see page 50).

Courses for Undergraduates

1 (a). ELEMENTARY PRINCIPLES OF ZOOLOGY.

PROFESSOR WILSON. Credit, $\frac{1}{2}$ course.
 Sophomore, Junior, and *Three hours a week.*
 Senior elective. *Winter Quarter.*

Required accompanying
 course, Zoology 1 (b).

Fundamentals of anatomy, physiology, and classification of
 animals. Lectures.

1 (b). INTRODUCTION TO PRACTICAL ZOOLOGY.

PROFESSOR COKER AND Credit, $\frac{1}{2}$ course.
 ASSISTANTS. *Three hours a week.*
 Sophomore, Junior, and *Winter Quarter.*
 Senior elective. *Laboratory fee, \$5.00.*

Required accompanying
 course, Zoology 1 (a).

Dissection of animals and study of tissues, to give the founda-
 tion for an understanding of the organization and functions of
 vertebrate animals and especially of man. Two laboratory exer-
 cises and one lecture each week.

2 (a). DEVELOPMENT OF ANIMALS.

PROFESSOR WILSON. Credit, $\frac{1}{2}$ course.
 Sophomore, Junior, and *Three hours a week.*
 Senior elective. Prere- *Spring Quarter.*
 quisite, Zoology 1 a, b.

Basic facts and theories of individual development, heredity, and
 evolution. Lectures.

2 (b). INTRODUCTION TO GENERAL ZOOLOGY.

PROFESSOR COKER AND Credit, $\frac{1}{2}$ course.
 ASSISTANTS. *Three hours a week.*
 Sophomore, Junior, and *Spring Quarter.*
 Senior elective. Prere- *Laboratory fee, \$5.00.*
 quisite, Zoology 1 a, b.

Dissection and study of invertebrate animals, with some account of their development, to give basis for and understanding of the principles of classification and of the main ideas of biology. Two laboratory exercises and one lecture each week.

Courses for Graduates and Advanced Undergraduates

3. COMPARATIVE ANATOMY OF VERTEBRATES.

PROFESSOR WILSON. Credit, 1 course.
Prerequisite, Zoology 1 a, b. *Five hours a week.*
(Zoology 2 a, b, strongly *Fall Quarter.*
recommended). *Laboratory fee, \$5.00.*

Dissection of types, especially amphioxus, petromyzon, fish, fowl, rabbit. Laboratory work with occasional lectures.

4. COMPARATIVE EMBRYOLOGY OF VERTEBRATES.

PROFESSOR WILSON. Credit, 1 course.
Prerequisite, Zoology 1 a, b *Five hours a week.*
and 2 a, b, or 1 a, b and 3. *Winter Quarter.*
Laboratory fee, \$5.00.

Maturation and fertilization phenomena in some invertebrate types; segmentation and formation of germ layers in frog and teleost fish; germ layers and development of characteristic vertebrate organs in chick; essentials of microscopic technique. Laboratory work with occasional lectures.

5. COMPARATIVE HISTOLOGY OF VERTEBRATES.

PROFESSOR WILSON. Credit, 1 course.
Prerequisite, Zoology 4. *Five hours a week.*
Spring Quarter.
Laboratory fee, \$5.00.

Microscopic preparation of selected tissues and organs are made from the fresh animal, and studied with the help of texts. Laboratory work with assigned reading.

6-7-8. MORPHOLOGY AND CLASSIFICATION OF THE INVERTEBRATES.

PROFESSOR WILSON. Credit, 1½ courses.
Prerequisite, Zoology *Three hours a week.*
1 a, b and 2 a, b. *Fall, Winter, and Spring Quarters.*
Laboratory fee, \$3.00 a quarter.

Dissection and microscopic study of types of the chief orders, with some consideration of life histories; systematic diagnosis. Laboratory work with occasional lectures.

9. LIMNOLOGY.

PROFESSOR COKER. Credit, 1 course.
Junior and Senior elective. *Five hours a week.*
Prerequisite, Zoology *Fall or Spring Quarter.*
2 (b). *Laboratory fee, \$5.00.*

A study of animal life in ponds and streams, with special reference to the relations of animals to each other and to their environments. Field and laboratory work, lectures, reading of special papers, discussions.

Courses Primarily for Graduates

109-110-111. GENERAL EMBRYOLOGY AND REGENERATION.

PROFESSOR WILSON.

Credit, 3 courses or more.

Not less than five hours a week.

Fall, Winter, and Spring Quarters.

Laboratory fee, \$5.00 a quarter.

Embryology and Regeneration in the lower metazoa and simpler vertebrates.

112. RESEARCH UNDER DIRECTION.

PROFESSOR WILSON OR

Credit, $\frac{1}{2}$ or 1 course.

PROFESSOR COKER.

Three or five hours a week.

Spring Quarter.

Laboratory fee, \$3.00 or \$5.00.

Designed especially for candidates for the Master's Degree.

PART FIVE

**COMMENCEMENT
CATALOGUE OF STUDENTS
INDEX**

ONE HUNDRED AND TWENTY-SEVENTH COMMENCEMENT

1922

Sunday, June 11th

BACCALAUREATE SERMON

REV. BENJAMIN R. LACY, JR.

SERMON BEFORE THE YOUNG MEN'S CHRISTIAN ASSOCIATION

REV. WILLIAM D. MOSS, D.D.

Monday, June 12th

SENIOR SPEAKERS

B. C. BROWN

F. A. GRISSETTE

L. EPSTEIN

T. L. WARREN

Tuesday, June 13th

ALUMNI EXERCISES

Reunions of the Classes of 1862, 1882, 1892, 1902, 1907, 1912, 1917, 1921.

THE DEBATE BY REPRESENTATIVES FROM THE DIALECTIC AND
PHILANTHROPIC LITERARY SOCIETIES

Dialectic

J. McK. BROWN

G. W. McCoy

Philanthropic

G. C. HAMPTON, JR.

V. V. YOUNG

Wednesday, June 14th

THE COMMENCEMENT ADDRESS

THE HONORABLE CARTER GLASS

PRESENTATION OF DIPLOMAS

HIS EXCELLENCY, CAMERON MORRISON

DEGREES IN COURSE

Bachelors of Arts

Sallie Allen	Ellen Booth Lay
James Hobart Allred	Charles Gaston Lee, Jr.
William Puryear Anderson	Samuel Ralph McClurd
Jackson Lafayette Apple	Joseph Altria McLean
Wade Hampton Atkinson, Jr.	*Genevieve MacMillan
John Glenn Barden	Robert Franklin Marshburn
Benjamin Hume Bardin	Edward Bruce Mewborne
Robert Malcolm Bardin	Thomas Glenn Murdock
William Jefferson Barefoot	Charles Leslie Nichols
Katherine Galloway Batts	Julian Granbery Nixon
Robert Edwin Boyd	*Irwin Wallace Oestreicher
James Neveland Brand, Jr.	Wyatt Andrew Pickens
*James Craig Braswell, Jr.	Garland Burns Porter
Joseph Beaman Brewer	Mildred Price
Bryant Council Brown	Robert Wright Proctor
*Emerson Leroy Carter	Lina Tucker Pruden
John Wiley Coker	Emmett Gladstone Rand
Nina Horner Cooper	Henry Ashby Rankin
Harold Cochran Corpening	Paul Jones Ranson
Walter Vance Costner	Exum Allen Rogers
Robert Alexander Davis	George Dewey Shore
Adeline Denham	Elliott Walker Stevens
Frederick Mast Dula	Leo Deaton Summey
Benjamin Owens Dupree	Sanfjord Brogdyne Teu
Clayton Edwards	Frank Thornber Thompson
*McIver Williamson Edwards	Ralph VanLandingham, Jr.
John Oglethorpe Ellington, Jr.	Thomas Lafayette Warren
Robert Haines Frazier	Silas Martin Whedbee
Alice Lee Gattis	Daniel Jay Whitener
*Mack Cutchin Gorham	Alger Bright Wilkins
Felix Alexander Grissette	Claude James Williams
Henry Clayton Harris	Lawrence Girard Wilson
Annie Belle Hill	Thomas Ewell Wright

Mary Traill Yellott

Bachelor of Arts in Education

† Fred Monroe Arrowood

* Absent by permission.

† As of 1921.

Bachelors of Science in Chemistry

John Alpheus Bender	Joe Levy McEwen
Clyde Kenneth Brooks	Ernst Otto Moehlmann
*Thomas Pugh Dawson	Joseph Harley Mourane
John Worth Guard	William Brittingham Smoot
Earle DeWitt Jennings	Nelson Whitford Taylor

Bachelors of Science in Civil Engineering

Frank Robbins Bacon	*Nathaniel Perkinson Hayes
*Herman Glenn Baity	Luther James Phipps
James Pool Clawson	Joseph White Taylor
Louis William Fischel	James Sims Wearn

Bachelors of Science in Electrical Engineering

Roy Madison Casper	*Leon Vincent Milton
Gordon Turner Finger	Joseph Lowry Pressly
Paul Milton Gray	Reginald Archibald Tillman
Marshall Edgar Lake	Robert Morrison Wearn
Ernest James Mecum	Dare Abernethy Wells

Bachelors of Science in Geology

Robert Edward Lee Carson	*Charles Worth Fowler
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Bachelors of Science in Medicine

*Daniel Greenlee Caldwell	Paul Todd Martin
Joseph Lindsay Cook	Manly Mason
Norman Albright Fox	Allen Alexander Miner
Willard Coe Goley	Nathan Anthony Womack

Bachelors of Science in Commerce

Charles Dorian Blair	Marion Wesley Nash
Stuart Osborne Bondurant	John Norwood
William Eugene Cornelius	John William Oden
Robert Baker Crawford, Jr.	Edwin Fuller Parham
Howard Hugh Doggett	William Grady Pritchard
*John Dewey Dorsett	Collier Bryson Sparger
Leonard Epstein	Thomas Warwick Steed
John Haywood Hardin, Jr.	Benjamin Louis Susman, Jr.
George Watts Hill	Edward Martin Sweetman, Jr.
William Edwin Horner	Earl Hinson Thompson
David Benthner Jacobi	Jack Warren
Andrew Ellerson James	George Curtis Watson
Rufus Manfred Johnston	Robert Benjamin White

* Absent by permission.

Floyd Alexander Martin	Woodward White Williams
Abram Haywood Merritt	Walter Efroymson Wolf
William Cannon Murchison	Junius Cheston Woodall
Sterling Dillon Wooten	

Bachelors of Arts and Laws

Clarence Garnett Ashby	Wade Anderson Gardner
Joseph Granbery Tucker	

Bachelors of Laws

William Durham Harris	John Ernest Norris
David Wesley Isear	Neal Yates Pharr
Benjamin Bailey Liipfert	Edwin Earle Rives
Charles Leslie Nichols	William Tolman Shaw

Graduates in Pharmacy

Beatrice Averitt	Ernest Edward Moore
Addie Lee Bradshaw	Edward Stuart Pugh
Ellie Burton Bristow	Grady Cornell Siske
Harry Thomas Hicks	Wilbert Lawrence Stone
John Palmer Horton	John Albert White
Ralph Edward Langdon	Robert Moore Willis

Pharmaceutical Chemists

John William Harrell, Jr.	William Allen Prout
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Masters of Arts

Herbert Victor Bailey	Levi Haywood Jobe
Charles Dale Beers	Ida Belle Ledbetter
*Henry Spurgeon Boyce	Robert Newton Ledford
John Nathaniel Couch	Burgin Edison Lohr
Jonathan Worth Daniels	Walter Frederick McCanless
James Allen Dickey	Roland Prince McClamroch
*Calvin Ransome Edney	John Holman McFadden
William Darby Glenn, Jr.	*James Bennet Miller
Fletcher Melvin Green	Arthur Purefoy Sledd
Thomas Hoffman Hamilton	Mary James Spruill
Hubert Crouzé Heffner	Wilbur White Stout
Michael Arendell Hill, Jr.	Tyre Crumpler Taylor
Miles Hoffman Wolff	

Masters of Science

Frederick Philips Brooks	Barnette Naiman
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* Absent by permission.

Doctor of Philosophy

Isaac Vilas Giles, Thesis: Para—Cymene Studies IV Chlorination of
2—Amino—P—Cymene

MEDALS, PRIZES, AND FELLOWSHIPS

The William Cain Prize in Mathematics—Not awarded in 1922.

The Eben Alexander Prize in Greek—A. F. Raper.

The Early English Text Society Prize—A. T. Johnson.

The Callaghan Scholarship Prize in Law—C. L. Nichols.

The Ledoux Fellowship in Chemistry—Lillie F. P. Cutlar.

The Kerr Prize in Geology—B. E. Lohr.

The Bradham Prize in Pharmacy—Beatrice Averitt.

The Hunter Lee Harris Medal—Yasuo Taketomi.

The Ben Smith Preston Cup—C. J. Parker, Jr.

The Julian S. Carr Fellowship—C. C. Poindexter.

The Burdick Prize in Journalism—R. S. Pickens.

The Stanton-Byrd-McKinnon Memorial Medal in Freshman English—
J. O. Bailey.

The Mildred Williams Buchan Scholarship in Philosophy—W. W. Stout.

The William J. Bryan Prize in Political Science—F. M. Green.

The Archibald Henderson Prize in Mathematics—M. A. Hill.

The Graham Kenan Fellowship in Philosophy—Awards from the fund
(1922): P. E. Greene, Adeline Denham, T. C. Taylor. For travel
in Europe (1922-1923): P. E. Greene.

The American Law Book Company Prize in Legal Research—C. L.
Nichols.

The Bingham Prize—V. V. Young.

The Mangum Medal—B. C. Brown.

Elected to membership in the *Phi Beta Kappa Society*, 1922: Calvin
Upshur Smith, President; Adeline Denham, Secretary; Charles
Hall Ashford, Howard Holderness, Rufus Gwyn Koontz, Clifton
Leonard Moore, Mary Traill Yellott.

Elected to Associate membership in the *Society of Sigma XI*, 1922:
Charles Dale Beers, William Darby Glenn, Jr., Harry Franklin
Latshaw.

CERTIFICATES

Geology—T. G. Murdock.

German—C. E. Howard.

History—D. J. Whitener.

History and Government—W. J. Barefoot, C. G. Lee, Jr., S. M. Whedbee.

Latin—Sallie Allen.

Honors in Language and Literature

G. B. Porter

HONORARY DEGREES**Doctor of Divinity**

Charles Edward Maddry

Doctor of LawsCameron Morrison
William P. BynumDavid F. Houston
William R. Webb**Doctor of Pharmacy**

Edward Victor Zoeller

CATALOGUE OF STUDENTS (1922-23)

GRADUATE STUDENTS

- Adams, Raymond William, Third, Elgin, Ill.
A.B., Beloit College, 1920; A.M., 1921. English.
- Aderholdt, Victor Ward, First, Lincoln. Tenn.
A.B., Lenoir College, 1915. History and Government,
Education.
- Amick, Harold Clyde, Second, Kimeville.
A.B., Elon College, 1920. Fellow in Geology. Geology.
- Anderson, Roy Ritter, Second, London, Tenn.
A.B., Maryville College, 1918. Fellow in Sociology. So-
ciology.
- Atkinson, Wade Hampton, First, Washington, D. C.
A.B., 1922. English.
- Aull, Luther Bachman, Jr., First, Greenwood, S. C.
B.S., The Citadel, 1922. Civil Engineering.
- Barrington, Sybil, First, Raleigh.
A.B., N. C. College for Women, 1920. English.
- Bell, Frank Durham, First, Tuxedo.
A.B., 1921. English.
- Bender, John Alpheus, First, Pollokville.
S.B. in Chemistry, 1922. Fellow in Chemistry. Chem-
istry.
- Bolick, Leo Ernest, First, Shenandoah, Va.
A.B., Lenoir College, 1915. Education, History and
Government.
- Bosshard, Anni, Special, Chapel Hill.
University of Zurich, Switzerland. English.
- Brearley, Harrington Cooper, First, Durham.
A.B., University of S. C., 1916; A.M., *ibid.*, 1917.
Sociology.
- Brearley, Margaret Marion, First, Durham.
A.B., Winthrop College, 1916; A.M., University of S. C.,
1922. English, Sociology.
- Brown, Cecil Kenneth, First, Cleveland.
A.B., Davidson College, 1921. Fellow in Economics.
Economics.
- Butt, Israel Harding, Second, Chapel Hill.
A.B., 1918. English.
- Coker, John Wiley, First, Rock Hill, S. C.
A.B., 1922. Fellow in History. History and Government.
- Constable, Ernest William, Second, Lake Landing.
B.S., N. C. State College of A. and E., 1921. Chem-
istry, Physics.
- Couch, John Nathaniel, Third, Chapel Hill.
A.B., 1918; A.M., 1922. Fellow in Botany. Botany.
- Crockford, Horace Downs, Second, Chapel Hill.
B.S., N. C. State College of A. and E., 1920. Chemistry.
- Culpepper, Mae, Special, Chapel Hill.
Georgia Normal College, 1913. Education.
- Culpepper, Sarah Katherine, Special, Fayetteville, Ga.
Georgia Normal College, 1915. Education.
- Daugherty, John Fenton, Second, Chapel Hill.
A.B., Dickinson College, 1921. Physics.
- Davis, Robert Alexander, Jr., First, Bullock.
A.B., 1922. Fellow in Education. Education, Psychology.
- Dula, Frederick Mast, First, Lenoir.
A.B., 1922. Fellow in Psychology. Psychology.
- Eaton, Flora Harding, First, Mocksville.
S.B., Guilford College, 1903. Mathematics.

- Edney, Calvin Ransome, Second, Mars Hill.
A.B., 1917; A.M., 1922. Fellow in History. History.
- Edwards, Clayton Carr, First, Sparta.
A.B., 1922. Mathematics.
- Eldridge, John Grady, Third, Chapel Hill.
A.B., 1917. Economics.
- Gaddy, Claude Fisher, First, Thomasville.
B.A., Wake Forest College, 1921. English.
- Giles, William Everette, First, Hillsboro.
A.B., Trinity College, 1916. Chemistry.
- Gordner, Ida Caroline, First, Chapel Hill.
A.B., N. C. College for Women, 1919. Education.
- Gorham, Mack Cutchin, First, Rocky Mount.
A.B., 1922. English.
- Gray, Paul Milton, First, Charlotte.
S.B. in Elec. Eng'g., 1922. Electrical Engineering.
- Green, Myrtle Lucy, First, Chapel Hill.
B.L., N. C. College for Women, 1912. Education.
- Griffin, Arthur Gwynn, First, Marshville.
A.B., 1921. Fellow in Economics. Economics.
- Harmon, Annie Olivia, First, Pittsboro.
A.B., Meredian College, 1920. English.
- Harmon, Minnie Etta, Second, Tazewell, Va.
A.B., Lynchburg College, 1914. Sociology.
- Haronian, Frank John, Second, Chapel Hill.
B.A., College des Mechitharistes (Constantinople), 1908;
M.A., Columbia University, 1921. Romance Languages.
- Hauser, Ira Otis, First, Shoals.
A.B., Elon College, 1922. Mathematics.
- Helms, Henry Arthur, Second, Indian Trail.
B.A., Wake Forest College, 1920. Fellow in Psychology.
Psychology.
- Hill, Michael Arendell, Jr., Third, Beaufort.
A.B., 1920; A.M., 1922. Mathematics.
- Howell, Almonte C., Third, Chapel Hill.
A.B., Dennison University, 1917; M.A., Columbia University, 1920. English.
- Hsiung, Cheng-Chin, First, Nan Chang, Kiangsi, China.
B.S., Cornell University, 1921. English.
- Huff, Joseph Bascomb, Third, Mars Hill.
B.A., Wake Forest College, 1903; A.M., 1904. English,
German.
- Hurley, Frederick James, First, Cambridge, Mass.
A.B., Harvard University, 1916. Romance Languages.
- Johnson, A. Theodore, Second, Chapel Hill.
A.B., Westminster College, 1914; M.A., University of
Va., 1917. English.
- Latshaw, Sylvia Louise, Second, Chapel Hill.
A.B. in Educ., 1920; A.M., 1921. Education.
- Ledford, Robert Newton, Third, Asheville.
A.B., 1921; A.M., 1922. History.
- Lindsey, Edwin Samuel, Fourth, Chapel Hill.
A.B., 1919; A.M., 1921. English, German.
- Little, Thomas Alexander, Second, Charlotte.
B.A., Washington College, 1915. English.
- MacCarthy, Gerald Raleigh, First, Ithaca, New York.
A.B., Cornell University, 1921. Geology.
- McClamroch, Roland Prince, Third, Greensboro.
A.B., 1920; A.M., 1922. English.
- McEwen, Joe Levy, First, Charlotte.
S.B. in Chemistry, 1922. Fellow in Chemistry. Chem-
istry, Physics.
- McKnight, Thomas Mortimer, First, Mooresville.
A.B., 1921. Romance Languages.

- MacMillan, Genevieve, First, Red Springs.
A.B., 1922. Education.
- Mauney, Samuel Aubrey, Jr., First, Kings Mountain.
A.B., Roanoke College, 1922. Economics.
- Miller, James Bennet, Second, China Grove.
A.B., 1921; A.M., 1922. Geology, Education.
- Millican, Charles Bowie, First, Springville, Ala.
A.B., Emory University, 1922. Fellow in English.
- Mock, Henry Bascom, First, Lewisville.
A.B., 1917. English.
- Moehlmann, Ernst Otto, First, Conover.
S.B. in Chemistry, 1922. Fellow in Chemistry. Chemistry, Physics.
- Monk, Vivian, First, Cherokee, Ala.
B.S., University of Ala., 1921. English.
- Morton, Roy Jay, Third, Jacksonville.
A.B., Elon College, 1920. Fellow in Civil Engineering.
- Moss, Cora Jenkins, Second, Franklinton.
A.B., Trinity College, 1918. History.
- Phipps, Luther James, First, Chapel Hill.
S.B. in Civil Eng'g., 1922. Civil Engineering.
- Pickens, Wyatt Andrew, First, High Point.
A.B., 1922. Fellow in Romance Languages. Romance Languages.
- Pickett, Howell Grady, Special, Madison.
Chemistry.
- Porter, Garland Burns, First, Kernersville.
A.B., 1922. English, Philosophy.
- Potter, Robert Russell, First, Denver, Colorado.
A.B., University of Denver, 1921; A.M., University of Colorado, 1922. English.
- Robbins, George Branson, First, Jamestown.
A.B., 1921. Education.
- Roberts, Murat Halstead, First, Chapel Hill.
A.B., University of Tenn., 1915; A.M., Princeton University, 1921. English.
- Sanders, Wiley Britton, Second, Chapel Hill.
A.B., Emory University, 1919; A.M., *ibid.*, 1920; A.M., 1921. Sociology.
- Smith, Samuel Clement, Fourth, Chapel Hill.
A.B., Guilford College, 1918; A.M., 1920. Chemistry.
- Smoot, William Brittingham, First, Salisbury.
S.B. in Chemistry, 1922. Fellow in Chemistry. Chemistry, Physics.
- Spainhour, Joseph Felix, Jr., Second, Morganton.
A.B., 1920; A.M., 1921. English.
- Spruill, Julia Cherry, First, Chapel Hill.
A.B., N. C. College for Women, 1920. History and Government, Education.
- Stephenson, Irving Joseph, Special, Angier.
Mathematics.
- Stout, Wilbur White, Second, Burlington.
A.B., 1921; A.M., 1922. English.
- Sturdevant, Joanna Farrell, First, Carrboro.
A.B., Carson-Newman College, 1909. Sociology.
- Summerell, Frances Peden, First, China Grove.
B.P., N. C. College for Women, 1916.
- Sweetman, Edward Martin, Jr., First, Cincinnati, Ohio.
S.B. in Commerce, 1922. Economics.
- Taylor, Haywood Maurice, Third, Chapel Hill.
S.B. in Chemistry, 1920; S.M., 1921. Chemistry.
- Thompson, Frank Thornber, First, Asheville.
A.B., 1922. English.
- Thompson, Samuel Hunter, First, Jonesboro, Tenn.
A.B., Lincoln Memorial University, 1921. Economics.

Tillett, Boone Dowdy, First, B.S., Cumberland University, 1922. Economics.	Richmond, Va.
Totten, Henry Roland, Fifth, A.B., 1913; A.M., 1914. Botany.	Chapel Hill.
Troxler, George Boston, First, B.S., N. C. State College of A. and E., 1918. Geology.	Burlington.
Walker, Carl Hampton, First, A.B., 1920. Fellow in Geology. Geology.	Coinjock.
Wardlaw, Joseph George, Jr., First, B.S., The Citadel, 1922. Civil Engineering.	York, S. C.
Whitehurst, Arthur Renard, First, B.A., Wake Forest College, 1921. Fellow in English.	Bethel.
Whitener, Daniel Jay, First, A.B., 1922. History and Government.	Hickory.
Willis, Samuel Hood, First, A.B., 1920. Fellow in English. English.	High Point.
Wilson, Thomas James, III, Second, A.B., 1921. Romance Languages.	Chapel Hill.
Wright, Thomas Ewell, First, A.B., 1922. Fellow in Romance Languages. Romance Languages.	Newton.

GRADUATE STUDENTS (SUMMER SCHOOL, 1922)

Adams, Robey Washington, s., 1917, 1920, 1922, Four Oaks. A.B., Trinity College, 1916. Education, Sociology.	
Agner, Daisy, s., 1922, A.B., Lenoir College, 1916. Education, Mathematics.	Salisbury.
Anderson, Almena, s., 1922, B.S., Coker College, 1919. English, Education.	Timmons ville, S. C.
Andrews, Nita, s., 1921, 1922, A.B., N. C. College for Women, 1919. Education.	Chapel Hill.
Andrews, Ola Blanche, s., 1922, A.B., 1920. Education, Mathematics.	Chapel Hill.
Anscombe, Francis Charles, s., 1921, 1922, A.B., Earham College, 1916. History and Government.	Guilford College.
Ariail, James Milton, s., 1922, B.A., Wofford College, 1905. A.M., <i>ibid.</i> , 1906. English.	Columbia, S. C.
Arrowwood, Fred Monroe, s., 1922, A.B. in Educ., 1922. Education, Psychology.	Jamestown.
Askew, Helen DeVore, s., 1922, A.B., N. C. College for Women, 1920. Education.	Ahoskie.
Atkinson, Minnie, s., 1921, 1922, Ph.B., Elon College, 1919. English, Education.	Mullins, S. C.
Bailey, Herbert Victor, s., 1922, A.B., 1916; A.M., 1922. Sociology.	Neuse.
Balentine, Edwin Charlton, s., 1922, S.B., 1920. Education.	Mooreville.
Barden, John Glenn, s., 1922, A.B., 1922. Education.	Goldsboro.
Barefoot, William Jefferson, s., 1922, A.B., 1922. Education, History.	Benson.
Bergeron, Arthur Clarence, s., 1922, Ph.B., Elon College, 1917. Education.	Newton Grove.
Bethea, Cornelia, s., 1922, A.B., Converse College, 1920. French, English.	Dillon, S. C.
Bland, Dorothy, s., 1922, A.B., Meredith College, 1920. English.	Pender, S. C.
Boyce, Henry Spurgeon, s., 1922, A.B., 1921; A.M., 1922. Education.	Tyner.
Boyd, Robert Edwin, s., 1922, A.B., 1922. Education.	Gastonia.
Britt, James Robert, s., 1922, B.S., Wake Forest College, 1919. Education, Mathematics.	Calypso.

- Brock, Sarah Lee, s., 1918, 1919, 1921, 1922, Richlands.
A.B., Greensboro College, 1917. Rural Economics, Sociology.
- Buckner, Bessie Lois, s., 1922, Salisbury.
A.B., Greensboro College, 1920. Education, Sociology.
- Burton, Thelma Guldman, s., 1922, Summerfield.
A.B., Elon College, 1920. Psychology, English.
- Calvert, William Jonathan, s., 1922, Portsmouth, Va.
A.B., Virginia Military Institute, 1920; A.M., Harvard University, 1922. English.
- Carter, Harry Winfield, s., 1922, Durham.
A.B., Trinity College, 1920. Education.
- Casey, Luby Randolph, s., 1921, 1922, Goldsboro.
A.B., Guilford College, 1920. Education.
- Clayton, Ossie Marguerite, s., 1922, Hendersonville.
A.B., Carson-Newman College, 1918. English.
- Constable, Ernest William, s., 1921, 1922, Lake Landing.
S.B., N. C. State College of A. and E., 1921. Chemistry, Physics.
- Cowles, John Henry, s., 1922, Lexington.
S.B., George Peabody College, 1906. Education.
- Davis, George Chambers, s., 1922, Henderson.
A.B., Elon College, 1904. Education, Sociology.
- Davis, Isla Belle, s., 1922, Zebulon.
A.B., Meredith College, 1920. Education, Mathematics.
- Davis, Martin Jones, s., 1922, Warrenton.
A.B., 1915; A.M., 1916. Education, Mathematics.
- Dawkins, Lester James, s., 1922, Ruby, S. C.
B.A., Wake Forest College, 1920. Education, Mathematics.
- Day, Minnie, s., 1922, Blowing Rock.
A.B., Carson-Newman College, 1912. Education, Mathematics.
- Denning, Erdene Beatrice, s., 1922, Albemarle.
B.S., Greensboro College, 1920. Education, Sociology.
- Dennis, James Levi, s., 1922, Newberry, S. C.
A.B., Newberry College, 1919. Education.
- Dula, Frederick Mast, s., 1922, Lenoir.
A.B., 1922. Psychology.
- Eaton, Flora Harding, s., 1922, Mocksville.
S.B., Guilford College, 1903. Mathematics.
- Edmunds, Margaret Carrington, s., 1922, Halifax.
A.B., Randolph-Macon Woman's College, 1920. Sociology.
- Edwards, Clayton Carr, s., 1922, Sparta.
A.B., 1922. Mathematics.
- Eldridge, James, s., 1922, Carrboro.
A.B., 1914. Education.
- Eldridge, John Grady, s., 1922, Bentonsville.
A.B., 1917. Economics.
- Farlow, Enoch Edgar, s., 1921, 1922, Guilford College.
S.B., Guilford College, 1896. Education.
- Ferguson, Clyde Vestal, s., 1922, Saxapahaw.
A.B., 1917. Education, Mathematics.
- Finch, Lalah Lucile, s., 1922, Moore, S. C.
A.B., Converse College, 1918. English.
- Floyd, Lorton Herbert, s., 1922, Fairmont.
A.B., Furman University, 1915. Education.
- Foster, Flossie Marie, s., 1922, Wilson.
A.B., N. C. College for Women, 1921. English.
- Foster, Mabel, s., 1922, Salisbury.
A.B., N. C. College for Women, 1921. Education.
- Foy, Louise, s., 1922, Mt. Airy.
A.B., Greensboro College, 1920. Education, Sociology.
- Fritz, Robert Leslie, Jr., s., 1922, Hickory.
A.B., Lenoir College, 1919. Education.
- Garner, Jesse Philip, s., 1922, Hills Store.
S.B., Guilford College, 1917. Mathematics.

- Gay, Mrs. Robert Bruce, s., 1922, Jackson.
A.B., Winthrop College, 1920. English, Education.
- Green, Myrtle Lucy, s., 1922, Henderson.
B.L., N. C. College for Women, 1912. Education.
- Greenlee, Ruth McEntire, s., 1922, Old Fort.
A.B., Maryville College, 1921. Education.
- Griffin, Arthur Gwynn, s., 1922, Marshville.
A.B., 1921. Economics.
- Griffin, Raleigh Hiram, s., 1922, Woodland.
B.A., Wake Forest College, 1920. Education.
- Hamilton, Joseph William, s., 1922, Atlantic.
B.A., Wake Forest College, 1914. Education.
- Hamrick, Oliver Paul, s., 1922, Boiling Springs.
B.A., Wake Forest College, 1914. English, Education.
- Harmon, Annie Olivia, s., 1921, 1922, Pittsboro.
A.B., Meridian College, 1920. English.
- Harrell, Rena Chambers, s., 1922, Bessemer City.
A.B., Queens College, 1912. English.
- Harris, Henry Clayton, s., 1922, Pike Road.
A.B., 1922. Education.
- Harris, Janet Mary, s., 1922, Macon.
A.B., N. C. College for Women, 1919. History, Education.
- Hatcher, John Thomas, s., 1916, 1919, 1921, Calypso.
1922, A.B., 1914. Education, English.
- Helms, Henry Arthur, s., 1920, 1921, 1922, Thomasville.
B.A., Wake Forest College, 1920. Psychology.
- Hicks, Alleine Brent, s., 1922, Oxford.
A.B., N. C. College for Women, 1920. Education.
- Hines, Edgar Thurman, s., 1916, 1917, 1918, McLeansville.
1919, 1922, A.B., Elon College, 1911. Education.
- Hinshaw, Clifford Reginald, s., 1920, 1921, 1922, Aulander.
A.B., Guilford College, 1916. Education.
- Hinson, Thera Earl, s., 1922, Monroe.
S.B., 1921. Economics, Education.
- Holbrook, John McRaven, s., 1920, 1922, Huntersville.
A.B., 1917. Education, Mathematics.
- Holland, Ansel Clair, s., 1922, Falcon.
A.B., Presbyterian College of S. C., 1916. Education.
- Holloway, Hallie Woods, s., 1922, Durham.
B.P., N. C. College for Women, 1922. Education.
- Holton, Rolando Clarence, s., 1922, New Bern.
Ph.B., 1904. Education.
- Horne, Mary Virginia, s., 1922, Wadesboro.
A.B., Converse College, 1919. Education.
- Huff, Herbert Henry, s., 1921, 1922, Soudan, Va.
A.B., 1917. Education.
- Huggin, Lucile, s., 1922, Clover, S. C.
A.B., Winthrop College, 1921. Mathematics, Education.
- Hurst, William Thomas, s., 1922, Manndale.
B.A., Wake Forest College, 1909. Education.
- Idol, Eugene Donald, s., 1922, Pleasant Garden.
A.B., Park College, 1914. Education, English.
- Jernigan, Herman, s., 1919, 1920, 1922, East Durham.
A.B., 1916. Education, Sociology.
- Johnson, Charles Haddon, s., 1922, Norlina.
B.A., Wake Forest College, 1914. Psychology, Education.
- Johnson, Ruby Catherine, s., 1922, Delway.
A.B., Meredith College, 1912. Education.
- Jones, Frances Elizabeth, s., 1922, Greensboro.
B.S., Greensboro College, 1921. Sociology.
- Justice, William Shipp, s., 1922, Chapel Hill.
A.B., 1920. Chemistry.

- Lassiter, Alma J., s., 1920, 1922, Mechanic.
A.B., Guilford College, 1915. Education.
- Lassiter, James Horace, s., 1920, 1921, 1922, Rich Square.
A.B., 1920. Sociology.
- Latshaw, Sylvia Louise, s., 1922, Chapel Hill.
A.B., in Educ., 1920; A.M., 1921. Education.
- Lennon, Rufus Stancil, s., 1922, Hillsboro.
B.A., Wake Forest College, 1911. Education.
- Lentz, Ada Lillian, s., 1921, 1922, Gold Hill.
B.S., N. C. College for Women, 1914. Education, Sociology.
- Lewis, Eilene, s., 1922, Ivor, Va.
A.B., Guilford College, 1914. English.
- Lineberry, Richard Arthur, s., 1922, Siler City.
B.S., Guilford College, 1920. Physics.
- Little, Lucille Agnes, s., 1922, Charlotte.
A.B., Goucher College, 1922. Education, Sociology.
- Lohr, Burgin Edison, s., 1922, Lincolnton.
A.B., 1921; A.M., 1922. Geology, Education.
- Long, Hugh, s., 1922, Rocky Point.
M.A., Wake Forest College, 1899. Education, Sociology.
- Lowrance, John Frank, s., 1916, 1918, 1922, Morven.
A.B., Davidson College, 1913. Education.
- McCormick, Dougald Stuart, s., 1920, 1922, Manchester.
A.B., Davidson College, 1914; M.A., University of Virginia, 1917. Education, Psychology.
- McCormick, Hugh, s., 1921, 1922, Manchester.
A.B., Davidson College, 1916. Education, Psychology.
- McCracken, Ada Lea, s., 1922, Guilford College.
A.B., Guilford College, 1921. French.
- McDougald, Juanita, s., 1922, Clarkton.
B.S., N. C. College for Women, 1917. History, English.
- McEwen, Joe Levy, s., 1922, Charlotte.
S.B., 1922. Chemistry.
- McIntosh, John William, s., 1922, Columbus.
A.B., 1914. History, Education.
- McKee, Jessie, s., 1921, 1922, Belmont.
A.B., N. C. College for Women, 1918. English.
- McLawhorn, LaRue, s., 1922, Winterville.
A.B., N. C. College for Women, 1920. Education, Sociology.
- McLean, Mary Elizabeth, s., 1922, Raeford.
A.B., N. C. College for Women, 1920. Education.
- MacMillan, Genevieve, s., 1922, Red Springs.
A.B., 1922. Education.
- McNeely, Lester Howard, s., 1922, Morganton.
A.B., Trinity College, 1919. Education.
- Mahler, William August, s., 1922, Wilmington.
A.B., Roanoke College, 1921. History, Psychology.
- Mann, George Weaver, s., 1920, 1922, Winston-Salem.
A.B., 1920. Sociology, Education.
- Marshburn, Robert Franklin, s., 1922, Wallace.
A.B., 1922. Education.
- Martin, Elbert Hoke, s., 1921, 1922, Charlotte.
A.B., 1921. Psychology, Geology.
- Martin, Floyd Alexander, s., 1922, East Bend.
S.B., 1922. Education.
- Mecum, Catherine Crayton, s., 1921, 1922, Oakboro.
A.B., Trinity College, 1918. Psychology.
- Messick, John Decatur, s., 1922, South Creek.
Ph.B., Elon College, 1922. English.
- Miller, Emery Clyde, s., 1922, Hickory.
A.B., Lenoir College, 1919. Education.
- Mitchell, Fred Walker, s., 1922, Monroe.
B.A., Furman University, 1914. Education, English.

- Money, Irene Rachel, s., 1922, Mayodan.
A.B., Meredith College, 1920. Education.
- Moss, Cora Jenkins, s., 1921, 1922, Franklinton.
A.B., Trinity College, 1918. History.
- Moss, Leslie Mary, s., 1922, Spartanburg, S. C.
B.S., Converse College, 1920. Education, Mathematics.
- Neal, Mary Naomi, s., 1922, Mullins, S. C.
A.B., N. C. College for Women, 1918. Chemistry.
- Neece, Vanner Emma, s., 1922, Climax.
B.S., Guilford College, 1920. Mathematics, Education.
- Padgett, James Absalom, s., 1922, Chadbourn.
A.B., Maryville College, 1910; M. A., University of Oklahoma, 1914. History, Education.
- Page, Ernest Benjamin, s., 1922, Chapel Hill.
A.B., Elon College, 1911. English.
- Pangle, Maxwell Galbraith, s., 1922, Barboursville, W. Va.
A.B., Emory and Henry College, 1913. Economics.
- Pardue, Lena Frances, s., 1922, Sweetwater, Tenn.
A.B., Maryville College, 1917. English.
- Parker, Lucille, s., 1922, Durham.
A.B., Trinity College, 1921. French, Psychology.
- Parker, Wixie Elma, s., 1922, Durham.
A.B., Trinity College, 1920. Latin, English.
- Pegg, Herbert Dale, s., 1916, 1919, 1921, 1922, Guilford College.
B.A., Wake Forest College, 1915; LL.B., *ibid.*, 1916.
Education.
- Pence, James Jerome, s., 1922, Rockingham.
A.B., 1920. Education, English.
- Phillips, Rupert Andrew, s., 1922, Macesfield.
A.B., Atlantic Christian College, 1920. Education, Sociology.
- Pickens, Wiley Miller, s., 1919, 1920, 1921, 1922, Salisbury.
A.B., Trinity College, 1916. Education, English.
- Pope, Annie Lee, s., 1921, 1922, Dunn.
A.B., Meredith College, 1917. English, Psychology.
- Price, Lemuel Alexander, s., 1914, 1922, Unionville.
A.B., 1914. Education.
- Pritchard, William Grady, s., 1922, Chapel Hill.
S.B., 1922. Rural Economics.
- Purrington, Alfred Luther, Jr., s., 1922, Scotland Neck.
A.B., 1921. History, English.
- Rankin, Henry Ashby, Jr., s., 1922, Fayetteville.
A.B., 1922. English, Education.
- Reagin, Grace Burton, s., 1922, Prosperity, S. C.
A.B., Winthrop College, 1915. Education, Sociology.
- Reaves, Howard Meacham, s., 1922, Union, S. C.
A.B., Furman University, 1922. Education.
- Reep, Alfred Roy, s., 1920, 1921, 1922, Gastonia.
A.B., Trinity College, 1917. Education.
- Reid, John Calvin, s., 1922, High Rock.
A.B., 1917. Education.
- Renegar, Harvey Caldwell, s., 1921, 1922, Chapel Hill.
A.B., 1921. Education, Sociology.
- Rhodes, Guy Blaisdell, s., 1922, Columbia.
B.A., Wake Forest College, 1920. Education, Economics.
- Rhodes, George Washington, s., 1921, 1922, Robersonville.
A.B., 1911. English.
- Richardson, Frank Reid, s., 1922, Mocksville.
A.B., Trinity College, 1915. Education.
- Robinson, Mary, s., 1922, Wadesboro.
A.B., N. C. College for Women, 1921. Education.
- Rogers, William White, s., 1920, 1921, 1922, Timberlake.
A.B., 1912. Psychology, Education, English.
- Roland, Herrick Milton, s., 1922, Nebo.
B.A., Wake Forest College, 1920. Education.

- Russ, Christopher Clement, s., 1922, Bolton.
B.A., Wake Forest College, 1917. Education.
- Sadler, Maude Frew, s., 1922, University.
A.B., Winthrop College, 1919. Education, History.
- Sawyer, George Lippard, s., 1917, 1919, Gastonia.
1920, 1921, 1922,
A.B., Lenoir College, 1915. Psychology, History.
- Schaff, Walter Ray, s., 1922, Lexington.
A.B., Lenoir College, 1921. Education.
- Shearouse, Floyd Noah, s., 1922, Lexington.
A.B., Lenoir College, 1919. Education, Mathematics.
- Sheehan, Mary Agatha, s., 1922, Rochester, N. Y.
A.B., B.E., College of St. Elizabeth. Education.
- Shelton, Ephraim Lowery, s., 1922, Biltmore.
A.B., Trinity College, 1917. Education.
- Shields, John Montgomery, s., 1922, Enfield.
A.B., 1911. Education.
- Shine, Wesley Hill, s., 1922, Chapel Hill.
A.B., 1921. English.
- Shore, George Dewey, s., 1922, Yadkinville.
A.B., 1922. Education.
- Shore, Rossie Steelman, s., 1922, Yadkinville.
A.B., 1921. Education.
- Short, George Asa, s., 1914, 1920, 1921, 1922, Wilson.
A.B., Guilford College, 1913. Education, Sociology.
- Short, Mrs. George Asa, s., 1922, Wilson.
A.B., Guilford College, 1914. Sociology, Education.
- Sifford, James Potts, s., 1922, Clover, S. C.
A.B., University of S. C., 1919; A.M., Columbia University, 1921. Psychology, Education.
- Smith, David Pearlie, s., 1922, Ridgeville, S. C.
B.S., Clemson College, 1920. Education.
- Smithdeal, Edward Octavius, s., 1920, 1921, 1922, Advance.
A.B., Trinity College, 1902. Education, Sociology.
- Snypes, Olivia Thelma, s., 1922, Clio, S. C.
Ph.B., Elon College, 1918. Education.
- Spencer, Robert Baxter, s., 1922, Dunn.
A.B. in Educ., 1921. Education.
- Stanback, Jeffrey Franklin, s., 1922, Raleigh.
A.B., Trinity College, 1914; S.B., N. C. State College of
A. & E., 1916. Geology.
- Starnes, Ethel Gladys, s., 1922, Hickory.
A.B., Elon College, 1920. History, Psychology.
- Staton, Ennis Calvin, s., 1922, New London.
B.A., Wake Forest College, 1920. Education.
- Stephenson, Latie Estelle, s., 1922, Gumberry.
A.B., N. C. College for Women, 1920. Education.
- Stewart, Alice Blanche, s., 1922, Fountain Inn, S. C.
A.B., Winthrop College, 1915. Education, Sociology.
- Stuart, Lyndon Everette, s., 1921, 1922, Snow Camp.
A.B., Guilford College, 1917. Education.
- Sturdivant, Joanna Farrell, s., 1922, Carrboro.
A.B., Carson-Newman, 1909. Sociology.
- Stutts, DeWitt Talmage, s., 1922, West Durham.
A.B., Trinity College, 1915. Education.
- Sykes, Paul Scarborough, s., 1922, Woodland.
B.A., Wake Forest College, 1917. Education.
- Teu, Sanfjord Brogdyne, s., 1922, Godwin.
A.B., 1922. Education.
- Thomas Cyrus Berkeley, s., 1922, Jonesboro.
A.B., 1921. Mathematics.
- Thomas, Henderson Lee, s., 1921, 1922, Broadway.
A.B., Elon College, 1917. Education, Sociology.

Tremain, Rawleigh Lewis, s., 1921, 1922, A.B., Guilford College, 1921. History.	Jamestown.
Tyson, John Joyner, s., 1921, 1922, B.A., Wake Forest College, 1921. Psychology.	Ayden.
Umstead, Luther Wiley, s., 1920, 1922, A.B., 1920. Education.	Stem.
Uzzle, Ellen, s., 1922, A.B., Coker College, 1920. Education.	Wilsons Mills.
Veasey, Elbert Lambert, s., 1921, 1922, A.B., 1917. Education.	Stem.
VonCanon, Ethel Louise, s., 1922, A.B., Greensboro College, 1920. English.	West End.
Weatherly, Carl Holmes, s., 1919, 1920, 1921, 1922, B.S., Davidson College, 1905. Education.	Kernersville.
Weathers, Curtis Linville, s., 1920, 1921, 1922, B.A., Wake Forest College, 1920. Education.	Bunn.
Wells, Dare Abernethy, s., 1922, S.B., 1922. Mathematics, Education.	Asheville.
White, Nellie Katherine, s., 1922, A.B., Greensboro College, 1920. Education, English.	Wilkesboro.
White, Olive Vivian, s., 1922, A.B., Winthrop College, 1919. Education, Latin.	Mount Holly.
Whitener, Russell Winfield, s., 1919, 1920, 1921, 1922, A.B., Catawba College, 1917. Education, History.	Newton.
Willis, Samuel Hood, s., 1922, A.B., 1920. English.	High Point.
Wilson, Hattie, s., 1922, A.B., N. C. College for Women, 1920. Latin.	Dunn.
Wilson, Margaret, s., 1922, A.B., N. C. College for Women, 1921. History, Education.	Wilsons Mills.
Wilson, Pearl Marie, s., 1922, A.B., N. C. College for Women, 1920. English.	Dunn.
Wooten, Inez, s., 1922, A.B., Meredith College, 1920. History, English.	Chadbourn.
Wooten, Leland Adams, s., 1922, B.S., Davidson College, 1922. Education, Sociology.	Statesville.
Wright, Theodore Oran, s., 1922, A.B., 1917. Physics, Chemistry.	Pleasant Garden.
Yokeley, Lema Mary, s., 1922, B.E., N. C. College for Women, 1918. English, History.	Winston-Salem.
Younts, William Ernest, s., 1922, B.S., Guilford College, 1908. Sociology, Education.	Greensboro.

UNDERGRADUATE AND PROFESSIONAL STUDENTS

Abbreviations are used to indicate the course pursued by each student as follows: Arts, Bachelor of Arts; Arts-Educ., Bachelor of Arts in Education; Arts-Laws, Bachelor of Arts and Laws; Sci. I, Bachelor of Science in Chemistry; Sci. IV, Bachelor of Science in Medicine; Sci. V, Bachelor of Science in Geology; Sci. II, Bachelor of Science in Electrical Engineering; Sci. III, Bachelor of Science in Civil Engineering; Comm., Bachelor of Science in Commerce; Pre-med., course preparing for Medicine; Pre-Law, course preparing for Law; P. W., course in Public Welfare; Spec., Special Student; L., course in Law; M., course in Medicine; P, course in Pharmacy.

The figure following each name indicates the year of that student in the course indicated.

A degree shown has been awarded by this institution unless otherwise indicated.

Abernethy, Oscar Marvin, L, 2,	Charlotte.
Abernethy, William Borden, Sci. IV, 2,	Chapel Hill.
Abramowitz, Jacob Bernard, Arts, 3,	Wilmington.
Adams, Eugene Edgar, P, 1,	Rutherfordton.

- Adams, Franklin Leverne, Arts, 2,
Adams, James Ervin, Comm., 3,
Adams, Lewis Whitaker, Arts, 2,
Adecock, David Filmore, Pre-med., 1,
Ader, Ottis Lado, M, 2,
Adkins, Robert Franklin, Arts, 2,
Albright, Thomas Alexander, Jr., Arts, 1,
Albritton, Theodore, L., Pre-med., 1,
Alderman, Jacob LeRoy, P, 2,
Aldridge, Wilton Ballance, Comm., 1,
Aldridge, William Henry, Comm., 1,
Alexander, Carl Barnhart, Comm., 2,
Alexander, Edward Johnson, Sci. V, 4,
Alexander, James Moffatt, M, 2,
Alexander, James Ramsey, Sci. II, 3,
Alexander, Robert Bainbridge, Comm., 2,
Allen, Joseph Thomas, L, 2,
Allen, Walter Daniel, Arts, 2,
Allison, Daniel Moore, Pre-med., 1,
Allsbrook, Julian Russell, L, 1,
Ambler, John Vernon, Arts, 3,
Ambrose, Howard Wilson, Comm., 2,
Anderson, Edward Moore, Arts, 1,
Andrews, Elva Dare, Arts, 3,
Andrews, George Alvin, Pre-med., 1,
Andrews, Harry Smith, Sci. IV, 2,
Angel, Edgar, Pre-med., 1,
Angel, Thomas Weldon, Sci. II, 4,
Appel, Herbert Lee, Arts, 1,
Apple, Elbert Dwight, Arts, 2,
Armfield, Eugene Morehead, Arts, 2,
Armfield, George McCain, Arts, 1,
Armstrong, Frank Marshall, L, 1,
Armstrong, Ray, Arts, 1,
Ashburn, Claude Woltz, Pre-med., 2,
Asbury, Ralph Lee, Comm., 1,
Ashe, George Tilghman, Sci. V, 1,
Ashford, Charles Hall, Arts, 4,
Ashman, James Ernest, Comm., 1,
Atchley, Roderick Crowell, Sci. IV, 2,
Ausband, George Alonzo, Sci. III, 3,
Austin, Henry Pennington, Jr., Comm., 2,
Austin, Truman Bostick, Comm., 2,
Aycock, Frank Bayard, Jr., Arts-Laws, 3,
Aydlett, Nathaniel Elton, Comm., 2,
Aydlett, Wyatt Rudolph, Comm., 4,
Bailey, James Osler, Arts, 2,
Rowland.
Hamlet.
Andrews.
Oxford.
Advance.
Chapel Hill.
Mebane.
Snow Hill.
Edenton.
Kinston.
Burlington.
Liberty.
Asheville.
Statesville.
Charlotte.
Greensboro.
Gibsonville.
Weldon.
Webster.
Roanoke Rapids.
Asheville.
Conway.
Reidsville.
Chapel Hill.
Mt. Gilead.
Tarboro.
Franklin.
Franklin.
High Point.
Reidsville.
Greensboro.
Albemarle.
Troy.
Spencer.
Winston-Salem.
High Point.
Bakersfield, California.
New Bern.
East Palestine, Ohio.
Morristown, Tenn.
High Point.
Hamlet.
Raeford.
Fremont.
Elizabeth City.
Elizabeth City.
Raleigh.

Bailey, Jesse Paul, Special, 1,	Ashburn, Ga.
Bain, Jones Douglas, P, 1,	Wendell.
Baker, Blaine Eugene, Comm., 2,	Lawndale.
Baker, John Earle, L, 3,	Nashville.
Baldwin, Gaston Carr, Sci. IV, 2,	Hoffman.
Ball, David Sampson, Arts, 1,	Stony Point.
Ballenger, Stanley Thomas, Arts, 2,	Tryon.
Ballew, William Harvey, Comm., 2,	Hickory.
Ballou, William Bransford, Jr., Arts, 1,	Richmond, Va.
Banks, Edward Everette, Arts, 1,	Raleigh.
Barber, Howard Winfield, Arts, 1,	Raleigh.
Bardin, Alton Clayton, Arts, 1,	Wilson.
Barefoot, Nathan Carl, Arts, 4,	Benson.
Barker, Walter Bryan, Comm., 1,	Greensboro.
Barnes, James Thomas, Pre-med., 2,	Kenly.
Barnes, John Thomas, Arts, 4,	Wilson.
Barnes, John Thomas, Jr., Arts, 4,	Wilson.
Barnes, Lawson Paul, Sci. IV, 3,	Florence, S. C.
Barnette, Walker, Arts, 3,	Huntersville.
Barr, Ernest Scott, Arts, 1,	Greensboro.
Barr, Edward Wall, Arts, 4,	Winchester, Va.
Barrett, John Milton, M, 1,	Raleigh.
Barton, Charles Grigsby, Jr., Sci. III, 2,	Earle, Ark.
Bass, Harris Hartwell, Sci. IV, 2,	Henderson.
Bass, Luther Thomas, Arts, 2,	Seaboard.
Bass, Walter Bayard, L, 1,	Tarboro.
Batchelor, Mott Jerome, Arts, 2,	Jonesboro.
Bateman, Robert Johnston, Arts, 1,	Asheville.
Battle, James Smith, L, 2,	Tarboro.
Battle, Newsom Pittman, M, 1,	Tarboro.
Baum, Alton Emmette, Arts, 2,	Fairfield.
Baum, Edward Ossian, Spec., 3,	Poplar Branch.
Bazemore, Cyrus William, Arts, 1,	Windsor.
Beachboard, James Blaine, L, Spec.,	Asheville.
Beale, Jesse Jordan, Arts, 4,	Potecasi.
Beaman, Chester Thomas, Comm., 1,	Snow Hill.
Beaty, Elbert Carroll, Comm., 2,	Moorestown.
Beatty, Harley Connell, Arts-Educ., 1,	Stanley.
Beatty, John D., Jr., L, Spec.,	Ivanhoe.
Bell, Barden Manly, M, 1,	Raleigh.
Bell, Francis Murdoch, Sci. III, 2,	Salisbury.
Bell, Joseph Oscar, Jr., Arts, 2,	Tuxedo.
Bell, Robert Purdy, Arts, 3,	Concord.
Bell, Wallace W., Comm., 1,	Sanford.
Bellamy, Clayton Giles, Arts, 4,	Wilmington.
Benbow, Edgar Vernon, M, 2,	Winston-Salem.
Bennett, John Looker, Sci. IV, 2,	High Point.

Bennett, John Trenholme, Arts, 3,
 Benthall, Raymond Carson, Pre-med., 1,
 Benton, Garland Fillmore, Pre-med., 2,
 Berryhill, William Scott, Arts, 2,
 Best, John Harper, P, 2,
 Bethea, James McRae, Arts, 3,
 Betts, Thomas Alexander, Comm., 1,
 Biggers, William Carl, Comm., 1,
 Biggs, Harry Ulysses, Arts, 1,
 Bigham, Joseph Guy, Arts, 1,
 Birkhead, John Watson, Jr., Comm., 3,
 Bishop, Mitchell, Pre-Med., 1,
 Black, Julian Gravely, Arts, 2,
 Blackwelder, Verne Hamilton, Arts, 2,
 Blackwell, James Robert, Arts, 1,
 Blackwood, Francis J., Comm., 1,
 Blades, Melick West, P, 1,
 Blair, James Seaborn, Sci. IV, 2,
 Blanks, Robert Whitefield, Comm., 1,
 Blanton, Albert, Comm., 1,
 Blanton, William Hackett, Arts, Spec.,
 Blaylock, Spencer Lorraine, Arts, 2,
 Bledsoe, Lewis Taylor, Comm., 1,
 Blount, William Augustus, Comm., Spec.,

A.B., 1920.

Blue, William Eugene, Pre-med., 1,
 Boddie, Edgar Lee, Comm., 2,
 Boddie, William Croon, Sci., II, 4,
 Boetcher, Otto Heath, Arts-Educ., 4,
 Boger, Martin Augustus, Arts, 1,
 Boling, Joseph Edwards, Comm., 1,
 Boney, Carless Wilton, Pre-med., 1,
 Boney, Daniel Clinton, L, Spec.,
 Boney, Elwood Rantz, M, 1,
 Boney, Paisley, Comm., 2,
 Bonner, John Bryan Havens, Comm., 4,
 Bonner, Merle Dumont, Pre-med., 2,
 Boone, Hoyt Winfield, Comm., 2,
 Booth, Hubert Edwin, Pre-med., 2,
 Booze, Hubbert Allwood, Sci., II, 1,
 Boseman, Edgar Norman, Pre-med., 1,
 Bost, Alphonso Edward, Sci. III, 1,
 Boushall, Francis McGee, Arts, 2,
 Bowden, Robert Joseph, Pre-med., 1,
 Bowen, Charles Calloway, Arts-Educ., 1,
 Bowen, Harold Jenkins, Pre-med., 2,
 Bowen, Kenneth Alton, Sci. II, 1,

Wadesboro.
 Woodland.
 Spencer.
 Charlotte.
 Greensboro.
 Dillon, S. C.
 Macon.
 Wingate.
 Smithfield.
 Huntersville.
 Ashboro.
 Asheville.
 Madison.
 Lenoir.
 Oak Ridge.
 Greensboro.
 Elizabeth City.
 Marshville.
 Monroe, La.
 Marion.
 Shelby.
 Greensboro.
 Asheville.
 Washington.

Fayetteville.
 Nashville.
 Nashville.
 Elizabeth City.
 Albemarle.
 Siler City.
 Clinton.
 Kinston.
 Kinston.
 Goldsboro.
 Raleigh.
 Aurora.
 Greensboro.
 Catawba.
 Monroe, La.
 Enfield.
 Matthews.
 Raleigh.
 Kenansville.
 St. Pauls.
 Hamlet.
 St. Pauls.

- Bowers, James Shepard, Arts, 1,
Bowles, Garvin, Comm., 4,
Bowling, William Wallace, Arts, 1,
Bowman, Ernest Franklin, Sci. III, 1,
Bowman, William Iverson, Comm., 1,
Boyd, Catherine Cole, Arts, 4,
Boyd, Daniel Marvin, Jr., Comm., 1,
Boyd, Frederick Roberts, Arts, 1,
Boyd, John Dallas, Sci. IV, 2,
Boyette, James Gilbert, Arts, 1,
Boyles, Alfred, Sci. I, 3,
Bradford, John Hugh, Arts, 4,
Bradham, Caleb Darnall, Arts, 1,
Bradley, Augustus, Jr., Arts, 3,
Bradley, James Albert, Pre-med., 3,
Bradshaw, Lacy Black, L, 1,
Brady, Walter Adolphus, Sci. III, 1,
Brand, Herbert Borden, Comm., 1,
Brandl, Charles McGonagle, Sci. III, 2,
Branson, Elizabeth Lanier, Sci. I, 2,
Brantley, Charles, Comm., 1,
Braswell, James Milton, Arts, 1,
Braswell, Robert Russell, Arts, 1,
Brawley, Richard Lewis, Sci. IV, 2,
Breard, Harold Anthony, Arts, 1,
Brewer, John Mickel, Sci. IV, 1,
Bridger, Robert Lawrence, Comm., Spec.,
Briggs, Henry Harrison, Pre-med., 1,
Briggs, Robert Lynn, Arts, 1,
Brinkley, Frank Latham, Sci. I, 2,
Britt, Burney Alexander, P, 2,
Britt, Charles Rudolph, L, 1,
Brody, Lewis Jules, Comm., 3,
Brooks, Glyndon Hillman, Comm., 1,
Brooks, Robert Williams, Arts, 1,
Brookshire, Lloyd Plemmons, P, 1,
Broome, Henry Haywood, Pre-med., 2,
Brothers, Harvey Atlee, Pre-med., 1,
Brown, Archibald Riley, Comm., 2,
Brown, Charles Knox, L, 1,
Brown, Dalma Adolph, Arts, 3,
Brown, Earl Henderson, Jr., Sci. IV, 2,
Brown, Harold Worth, Comm., Spec.,
Brown, Ira Lee, Comm., Spec.,
Brown, John McKinley, Arts, 4,
Brown, James Richard, M, 1,
Washington.
Winchester, Va.
Durham.
Newton.
Yatesville, Ga.
New Bern.
Hickory.
New Bern.
Fayetteville.
Kenly.
Rock Hill, S. C.
Huntersville.
New Bern.
Burlington.
Florence, S. C.
Graham.
Conover.
Wilmington.
Asheville.
Chapel Hill.
Spring Hope.
Elm City.
Rocky Mount.
Mooreville.
Monroe, La.
Kershaw, S. C.
Winton.
Asheville.
Battleboro.
Plymouth
Candor,
Lumberton.
Chapel Hill.
Woodsdale.
Gaines.
Asheville.
Aurora.
South Creek.
Greensboro.
Asheville.
Jamesville.
Concord.
Rich Square.
Winston-Salem.
Wilkesboro.
Charlotte.

- Brown, James Williamson, Comm., 1,
Brown, Kermit English, Pre-med., 2,
Brown, Leland Preston, Sci. II, 3,
Brown, Lawrence Wilder, Pre-med., 1,
Brown, Roy Eugene, Arts, 4,
Brown, Sanford Wiley, L, 2,
Brown, Verney Ed, Arts, 2,
Brown, Walter Bernard, Comm., 1,
Brown, William Lee, Sci. 1, 3,
Brown, William Moye Benjamin, Sci. IV, 2,
Browne, Vernon Weaver, L, 1,
Bruner, Weston, Jr., Arts, 2,
Bruner, William Gwathmey, Arts, 1,
Bruns, George Duffie, Comm., 1,
Barton, Charles Glenn, Comm., 1,
Burton, Gaston Swindell, Arts, 4,
Bryan, Robert Emmett, Pre-Law, 1,
Bryant, Carrie Virginia, Arts, 3,
Bryson, Edwin Constant, Arts, 1,
Bryson, Herman Jennings, Arts, 4,
Bryson, Thaddeus Dillard, Jr., L, 1,
Buchanan, Carl, Sci. III, 1,
Buchanan, George Gilmer, P, 1,
Buchanan, George Hampton, Jr., Arts, 1,
Buck, Robert Elroy, Jr., Sci. I, 1,
Buckalew, Vardamon Moore, Comm., 4,
Bullitt, James Bell, Jr., Arts, 1,
Bullock, Alfred Thomas, Sci. V, 1,
Bullock, Joseph Allen, Pre-med., 1,
Bullock, Julian, Arts, 1,
Bullock, Robert Cozart, Arts, 1,
Bullock, William Wilkinson, Sci. II, 1,
Burdeaux, Harry Fulton, Sci. III, 1,
Burke, John Harrington, Arts, 2,
Burleson, Milton English, Comm., 4,
Burns, Thomas Alexander, Arts, 1,
Burroughs, Franklin Danford, Comm., 2,
Burt, Edward Ramsey, Arts, 2,
Butler, Allen Dexter, Arts, 3,
Butler, Edward Knox, Comm., 2,
Butler, Frank Edward, Comm., 1,
Butt, William Harold, Sci. II, 3,
Byerly, Marshall Paul, M, 2,
Byers, Kansas, Arts, 3,
Byrd, Dan, Arts, 4,
Byrd, Robert Theodore, Pre-med., 2,
Danville, Va.
Waverly.
Niantic, Conn.
Asheville.
Statesville.
Asheville.
Richlands.
Statesville.
Guilford College.
Greenville.
Asheville.
Raleigh.
Raleigh.
Charlotte.
Candor.
Newport.
Newton Grove.
Wallace.
Bryson City.
West Asheville.
Bryson City.
Sylva.
Greensboro.
Webster Groves, Mo.
Charlotte.
Roanoke, Ala.
Chapel Hill.
Durham.
Creedmore.
Conetoe.
Bahama.
Leechville.
West Monroe, La.
Taylorsville.
Erwin, Tenn.
Ashboro.
Scotland Neck.
Biscoe.
Liberty.
St. Pauls.
Rocky Mount.
Bonnerton.
Lexington.
Washington, D. C.
Calypso.
Linden.

- Caffey, John William, Sci. V, 2,
Cain, Ralph Harold, Comm., 1,
Caldwell, David Frank, Comm., 2,
Callahan, John Joseph, Arts-Laws, 1,
Campbell, Thomas Barnes, Comm., 2,
Campen, Thomas Stokes, Comm., 1,
Cantwell, Joseph Lapsley, Jr., Arts, 1,
Capps, Hunter McGuire, P, 1,
Capps, Henry Samuel, Arts, 3,
Cardwell, Guy Adams, Jr., Arts, 1,
Cardwell, Maurice Wayland, Comm., 3,
Carmichael, Martin, Comm., 2,
Carmichael, Paul Newton, Sci. IV, 1,
Carmichael, Richard Cartwright, Arts, 3,
Carpenter, Ernest Willoughby, Sci. II, 1,
Carpenter, Robert Edgar, Sci. III, Spec.,
Carpenter, William McNeill, Arts, 4,
Carr, DeColemon, L, 1,
Carrington, Samuel Macon, Pre-med., 1,
Carroll, Curtis Calvin, Arts, 4,
Carroll, James Robinson, Jr., Comm., 1,
Carroll, Milus, Comm., 2,
Carroll, Robert Lide, M, 1,
Carson, Boyce Galloway, Arts, 3,
Carter, Cleon Moore, Comm., 2,
Carter, Douglas, Arts, 2,
Carter, Payson Dennis, Sci., III, 2,
Carter, Roy, Comm., 1,
Carter Walter Albert, Comm., 1,
Cates, James Ray, Sci. III, 1,
Cates, Nady Milton, Arts, 1,
Cathcart, John Harris, Arts, 4,
Cathey, Paul Edward, Arts, 1,
Cathey, Samuel Murston, L, 1,
Cathey, Wilton, Arts, 4,
Caton, George Allen, Jr., Sci. IV, 2,
Caudle, Elvin Bailey, Arts, 3,
Caveness, Shelley Benjamin, L, 1,
Chamblee, Millard Wallace, Pre-med., 1,
Champion, Henry Chivous, P, 1,
Chandler, Albert Baxtor, Comm., 1,
Chaney, John Francis, Sci. II, 3,
Chapin, Harlowe Leon, Comm., 1,
Chappell, Richard Edwin, Arts., 2,
Charnley, Walter Loren, Comm., 1,
Chase, Arthur Sloan, Sci. III, 3,
Cheers, William Croquette, Sci. III, 2,
Greensboro.
Winston-Salem.
Matthews.
Port Richmond, N. Y.
Taylorsville.
Goldsboro.
Asheville.
Meherrin, Va.
Hendersonville.
Wilmington.
Johnson City, Tenn.
Durham.
Charlotte.
Durham.
Greenville, S. C.
Cliffside.
Greenville, S. C.
Portsmouth, Va.
Nelson, Va.
Mizpah.
Middleburg.
York, S. C.
Columbia, S. C.
Bessemer City.
Louisville, Ky.
Asheville.
Chapel Hill.
Wallace.
Goldsboro.
Edenton.
High Point.
Winnsboro, S. C.
Charlotte.
Asheville.
Charlotte.
New Bern.
Raleigh.
Greensboro.
Zebulon.
Lawndale.
Spencer.
Chester, S. C.
Beaufort.
High Point.
Charlotte.
Chapel Hill.
Sanford.

Cheek, Charles Taylor, Sci. IV, 1,	Durham.
Cheek, Lemuel Roberson, P, 2,	Hillsboro.
Cheesborough, John Cheesborough, Arts, 4,	Asheville.
Cheesborough, Thomas Patton, Jr., Arts, 2,	Asheville.
Cherry, Mildred Merle, Comm., Spec.,	Rocky Mount.
Christian, Joseph Luther, Comm., 1,	Durham.
Clark, John Hardisty, Arts, 1,	Tarboro.
Clark, Obel Sheppard, Arts, 3,	Leaksville.
Clark, Samuel Hubert, Arts, 1,	Waxhaw.
Clark, William Alexander, P, 2,	Fayetteville.
Clark, William Henry, Comm., 1,	Charlotte.
Clarkson, Thomas Simons, Sci. IV, 1,	Charlotte.
Clary, William Thomas, Pre-med., 2,	Greensboro.
Clifton, Maurice Smith, Jr., Sci. II, 1,	Louisburg.
Coates, Kenneth Daniel, Arts, 2,	Smithfield.
Coats, Robert Floyd, Arts, 4,	Angier.
Cobb, Hall Eugene, Sci. V, 1,	Lenoir.
Cobb, John Blackwell, Arts, 1,	Durham.
Cobb, Robert Bryan, Arts, 3,	Fremont.
Cochrane, Frederick Cline, Sci. I, 4,	Charlotte.
Coeke, Philip Charles, Jr., Comm., Spec.,	Asheville.
Coeke, William Johnston, Arts, 2,	Asheville.
Coffey, John Nelson, Sci. III, 3,	Raleigh.
Cohen, Marx Edwin, Jr., Arts, 3,	Florence, S. C.
Cohon, Edward Purnell, Jr., Pre-med., 1,	Columbia.
Coker, James Lide, Arts, 1,	Hartsville, S. C.
Cole, George Thomas, Arts, 1,	Chapel Hill.
Cole, Roy Enoch, Arts, 3,	Pittsboro.
Collier, Kenneth Murphy, Comm., 2,	Louisburg.
Collins, Addison Boyce, Arts, 3,	Peachland.
Colton, Cullen Bryant, Arts, 3,	Newton, Mass.
Coltrane, William Homer, Arts, 2,	High Point.
Combs, William Russell, Arts, 1,	Stony Point.
Comer, William Ernest, Arts, 4,	New Castle.
Connor, Percy James, Arts, 2,	Johnson City, Tenn.
Cook, Alexander Eugene, L, 2,	Fayetteville.
Cook, Edward S., Comm., 1,	Fayetteville.
Cook, William Eugene, Pre-med., 1,	Hope Mills.
Cooke, Benjamin Clarence, Arts, 1,	Franklinton.
Cooper, Berlon Cicero, Sci. II, 2,	Siler City.
Cooper, David Jackson, Comm., 2,	Henderson.
Cooper, John Fenimore, Arts-Laws, 1,	Clinton.
Cooper, Junius Horner, Arts, 4,	Oxford.
Cooper, Marshall Young, Comm., 4,	Henderson.
Cooper, William Alexander, Jr., Arts, 1,	Raleigh.
Cooper, William Norman, Comm., 1,	Greensboro.

Copeland, George Edward, Jr., Pre-med., 1,	Charlotte.
Corbett, Harlan Davis, Comm., 1,	Whitakers.
Corbett, James Patrick, Pre-med., 2,	Whitakers.
Corbitt, David Leroy, Arts, 3,	Greenville.
Cordon, Norman Cheshire, Comm., 1,	Washington.
Cornelius, Chalmers Edgar, M, 1,	Mooreville.
Corriher, Daniel Calvin, Pre-med., 2,	Landis.
Cory, Abram Adkins, Sci. II, 1,	Kinston.
Couch, Charles Graves, Comm., 1,	Charlotte.
Couch, Henry Norris, Sci. IV, 2,	Chapel Hill.
Couch, Mabel, Arts, 1,	Chapel Hill.
Couch, William Terry, Arts, 2,	Chapel Hill.
Councill, Alan Ballard, Pre-Law, 1,	Hickory.
Councill, James Hardin, Sci. III, 2,	Boone.
Councill, Stedman C., Spec., 1,	Hickory.
Covington, Elijah Eugene, Pre-med., 2,	Linden.
Covington, Robert Monroe, Arts, 1,	Rockingham.
Cowan, Cecil Edmund, L, 1,	Windsor.
Cox, John Edwin, Arts, 1,	Morganton.
Cox, William Norment, Comm., 2,	Rowland.
Coxe, Tench Charles, Jr., L, 2,	Asheville.
Coxe, William McAlister, Comm., 1,	Wadesboro.
Cozart, Ula Hubert, Jr., Arts, 2,	Wilson.
Craig, Raymond Lee, Comm., 4,	Greenwood, Miss.
Craig, William Franklin, P, 2,	Gastonia.
Cramer, William A. Wrenn, Sci. III, 2,	Willoughby Beach, Va.
Cranford, Elizabeth Sarah, P.W., Spec.,	Davidson.
Crater, Rufus Holton, Arts, 2,	Yadkinville.
Crawley, Elliott Leslie, P, 1,	Littleton.
Creech, Fred Andrew, Arts, 1,	LaGrange.
Cress, Joseph DeMonte, Comm., 2,	Salisbury.
Cress, Rodolphus LaMonte, Comm., 2,	Salisbury.
Crews, Carl Madison, Sci. V, 1,	North Wilkesboro.
Crews, J. Sharrell, Arts, 1,	Winston-Salem.
Crisp, Edward Courtney, Comm., 1,	Lenoir.
Crissman, Kearney Washington, Comm., 1,	High Point.
Crissman, Walter Edgar, Arts, 1,	High Point.
Cromartie, Raymond Lawrence, Jr., Comm., 1,	Dunn.
Cross, Catherine, M, 2,	Gatesville.
Crowell, Lester Avant, Jr., Arts, 1,	Lincolnton.
Cruse, Jordan Hodgins, Comm., 1,	Gold Hill.
Crutchfield, Gale Benjamin, Comm., 2,	Burlington.
Cummings, Amos J., Arts, 4,	Oak Ridge.
Cunningham, Henry Carrington, Arts, 4,	Greensboro.
Curlee, Arley Theodore, Arts, 1,	Polkton.
Currie, Claude, L, 1,	Candor.

Currie, John Duncan, Comm., 1,
 Curtis, Rufus Harrison, P, 2,
 Cutchin, Joe Spencer, Jr., P, 1,
 Cutlar, Lillie Fielding Poisson, Sci. I, 4,
 Cutler, Lycurgus Henry, III, Comm., 2,
 Dale, Grover Cleveland, M, 2,

A.B., 1920.

Dalton, Bennie Booker, Arts, 3,
 Dalton, Ernest Berry, Sci. I, 2,
 Dameron, James Lee, Arts, 1,
 Daniel, Carey Williamson, Comm., 1,
 Daniels, Clarence Pope, Arts, 1,
 Daniels, Stephen Fowler, Comm., 3,
 Darden, Robert Davis, Arts, 3,
 Darden, Sanders Pinkney, Arts, 1,
 Dark, Thomas Jefferson, Comm., Spec.,
 Daughtry, Robert LeRoy, Arts, 1,
 Davenport, Bessie, Arts, 3,
 Davenport, John Esten, Arts, 1,
 Davenport, Taylor Dees, Comm., Spec.,
 Davidson, Clarence Hardy, Sci. III, 1,
 Davis, Edgar Lee, Sci. II, 1,
 Davis, Francis Marion, Jr., Comm., 2,
 Davis, Frank Saunders, Comm., 1,
 Davis, Fred Weymouth, Sci. I, 1,
 Davis, Hal Avon, Sci. II, 2,
 Davis, John Alexander, Comm., 2,
 Davis, Joseph Franklin, Arts, 1,
 Davis, James Hunter, Comm., 1,
 Davis, Philip Bibb, M, 1,
 Davis, Philip Crawley, Comm., 1,
 Davis, Robert Hampton, Comm., 1,
 Davis, Ray Piland, L, 2,
 Daye, John Aloysius, Sci. I, 2,
 Deans, James Elliott, Comm., 3,
 Dearman, Claudius Hursell, Arts, 2,
 Deaton, Hobart Obil, M, 1,
 Deaton, Jesse Dawkins, Pre-med., 1,
 DeBerry, Willie Gaston, Pre-med., 1,
 Debnam, Warwick Gordon, Pre-med., 1,
 DeHart, Horace Maxwell, Pre-med., 2,
 Dellinger, Everett Edward, Sci. II, 4,
 Dellinger, Harold Grady, Arts, 1,
 Denning, Ralph Edwin, Sci. I, 2,
 Denny, George Vernon, Comm., 4,
 Denson, Charles Alexander, Arts, 1,
 Denson, John William, Comm., 1,

Fayetteville.
 Dillon, S. C.
 Whitakers.
 Winston-Salem.
 New Bern.
 Seven Springs.
 Red Springs.
 Winston-Salem.
 Bessemer City.
 Chapel Hill.
 Manteo.
 New Bern.
 Wilmington.
 Stantonsburg.
 Siler City.
 Roanoke Rapids.
 Pineville.
 Pineville.
 Sanford.
 Swannanoa.
 Hamlet.
 Farmville.
 New Bern.
 Elizabeth City.
 Charlotte.
 Waxhaw.
 Raleigh.
 Smithfield.
 Greensboro.
 Winston-Salem.
 Wilmington.
 Kinston.
 Winston-Salem.
 North Wilkesboro.
 Turnersburg.
 Spies.
 Mangum.
 Mt. Gilead.
 Selma.
 Bryson City.
 Cherryville.
 Stony Point.
 Albemarle.
 Chapel Hill.
 Tarboro.
 Tarboro.

- Denton, Carl Conley, Arts, 1,
Devin, William Augustus, Jr., Arts, 1,
Dewar, William, Arts, 1,
Deyton, Gibson, Pre-med., Spec.,
Deyton, John Wesley, Sci. IV, 3,
Dickerson, Clarence Alphonso, P, 1, Arts, 1,
Dickson, Albert Joseph, Arts-Educ., 1,
Dickson, George Graham, Arts, 4,
Ditmore, Harry Booze, M, 2,
Dixon, Elwood Boyd, Comm., 1,
Dixon, Robert Tompkins, Comm., 2,
Dobbins, Wiley Edwin, Arts-Educ., 2,
Dockery, Claudius, Jr., Arts, 2,
Donnahoe Mark Earle, Pre-med., 1,
Donnelly, George Robert, Comm., 1,
Dowd, Alton Lawrence, Arts, 3,
Downing, Augustus Owens, Arts, 3,
Downing, Dennis Garland, L, 2,
Downs, Bingham Robert, Arts, 1,
Doyle, Wilson Keyser, Arts, 2,
Drake, Henry Tomlinson, Comm., 2,
Drake, William Earle, Arts, 2,
Draughan, Ernest Burwell, Comm., 2,
Drewry, John Colin, Comm., 2,
Duff, William Erskine, Arts, 1,
Duke, Joseph Haywood, Comm., 1,
Dula, Robert Lee, Sci. IV, 2,
Duls, Henry Davis, Arts, 3,
Duncan, Annie Virginia, Arts, 4,
Duncan, Edwin, Arts, 2,
Duncan, Fitzhugh Durham, Arts-Laws, 1,
Duncan, Maude Helen, Arts, 3,
Dunn, John Guion, Jr., Comm., 1,
Dunn, William LeRoy, Arts, 1,
Durham, Carey Winston, Pre-med., 2,
Dye, Robert Matthews, Comm., 1,
Eagles, John Bruce, Arts, 4,
Easom, Herman Franklin, Pre-med., 2,
Easton, Charles Skinner, Comm., 2,
Eaves, Rupert Spencer, Arts, 3,
Eddleman, Samuel McKee, Comm., 2,
Edmund, Carrie Dyne, L, 1,
Edmundson, Leland Bernice, Pre-med., 2,
Edwards, George Williams, Comm., 1,
Edwards, Joseph Daniel, Jr., Pre-med., 1,
Edwards, James Mathew, Arts, 1,
Morganton.
Oxford.
Kipling.
Green Mountain.
Green Mountain.
Tunis.
Calypso.
Raeford.
Old Fort.
Ayden.
Charlotte.
Yadkinville.
Mangum.
Asheville.
Avon-by-the-Sea, N. J.
Candor.
Norfolk, Va.
Cedar Creek.
Asheville.
Charlotte.
Fayetteville.
Asheville.
Whitakers.
Raleigh.
Elizabeth City.
Elizabeth City.
Lenoir.
Charlotte.
Beaufort.
Sparta.
Bailey.
Horse Shoe.
New Bern.
Asheville.
Chapel Hill.
Charlotte.
Wilson.
Selma.
Oxford.
Rutherfordton.
China Grove.
Lumberton.
Goldsboro.
Snow Hill.
Wilmington.
Raleigh.

Edwards, Preston Hampton, Jr., Arts, 4,
 Edwards, William Jean, Spec., 1,
 Efrid, Abner Bahnsen, Arts, 3,
 Eldridge, Charles Patterson, M, 1,

B.E., N. C. State College of A. & E., 1915.
 C.E., *ibid.*, 1922;

B.A., Wake Forest College, 1922.

Eldridge, Mrs. John Grady, Spec., 1,

Eley, Alvin James, L, 2,

Elkins, William James, Arts, 1,

Elliott, Norman, Sci. III, 1,

Elliott, William McBrayer, Comm., 1,

Ellis, Henri Bruce, Arts, 4,

Ellis, Shober Andrews, Arts-Laws, 3,

Ellis, William Dewey, P, 1,

Elmore, Probien Lee, Arts, 2,

Engstrum, Edgar Francis, Sci. III, 4,

Enloe, William Reginald, Comm., 2,

Ennis, John Auburn, Comm., 1,

Epstein, Henry George, Arts-Laws, 3,

Epstein, Joseph Niles, Pre-med., 1,

Ervin, Joseph Wilson, L, 2,

A.B., 1921.

Erwin, Dick Hilton, Pre-med., 1,

Essex, William Harold, Spec., 1,

Essie, Abdo Frank, Arts, 4,

Estridge, Harry Leroy, Arts, 1,

Eubank, William Marvin, Arts, 1,

Eutsler, Roland Byerly, Comm., 3,

Evans, Thomas Hilton, Comm., 2,

Evans, William Alexander, Arts, 1,

Everett, James LeGrand, Comm., 4,

Everett, Marvin McHenry, Arts, 2,

Everette, Willie B., Comm., 1,

Fagge, James B. Jr., Arts, 1,

Fairecloth, James Manning, Pre-med., 1,

Farabow, Ford Franklin, Arts, 1,

Farrell, Edgar Atlas, Pre-med., 1,

Farrell, Henry Darrow, Arts, 2,

Farrell, Robert Paul, Sci. III, 2,

Farrell, William Ihrie, Pre-med., 1,

Farrington, Reno Kirby, M, 2,

A.B., Trinity College, 1921.

Farrior, John Edward, Arts, 1,

Faucett, John William, Arts, 1,

Faucett, William Jenkins, Arts, 3,

Feagan, Archie Alexander, Arts, 3,

Feild, David Meade, L, 1,

Darlington, S. C.

Brookville, Fla.

Winston-Salem.

Raleigh.

Chapel Hill.

Woodland.

Elkton.

Edenton.

Waco.

Winston-Salem.

Winston-Salem.

Greensboro.

Dover.

Washington, D. C.

Dillsboro.

Smithfield.

Raleigh.

Rocky Mount.

Morganton.

Charlotte.

Hickory.

Manchester, N. H.

Charlotte.

Scotts Hill.

Charlottesville, Va.

Harbinger.

Dover.

Rockingham.

Oak City.

Robersonville.

Leaksville.

Clinton.

Stem.

Mebane.

Parkton.

Parkton.

Pittsboro.

Winston-Salem.

Rose Hill.

Asheville.

Durham.

Columbus.

Hertford.

- Fels, Joseph, Spec., 2,
 Felton, Robert Lee, Jr., Arts, 4,
 Ferebee, Willoughby Dozier, Comm., 2,
 Ferguson, Howard Quinn, P, 1,
 Fetter, Edgar Minton, Arts, 2,
 Fields, Douglas Dalton, Comm., 1,
 Finch, Andrew Jackson, Arts, 2,
 Fisher, Lewis Joseph, L, 1,
 Fitzgerald, Margaret Wesley, P.W., Spec.,
 Fleming, Fred Henry, P, 1,
 Flintom, Charles Woods, Sci., I, 3,
 Flowers, John Earle, Pre-med., 1,
 Floyd, Hugh Regan, Comm., 1,
 Folger, Walter Coke, Pre-med., 1,
 Forbes, Rufus Bradley, Arts, 1,
 Ford, George Waddell, Comm., 1,
 Fordham, Christopher Columbus, Comm., 2,
 Fordham, Jefferson Barnes, Arts, 1,
 Forrester, Roy Lane, Arts, 1,
 Fortescue, Zachariah Thomas, Arts, 3,
 Foscue, Henry Armfield, Pre-med., 1,
 Foster, John Wesley, L, 3,
 A.B., 1919.
 Fountain, Benjamin Eagles, L, 2,
 Fountain, Bracey Frederick, Arts, 3,
 Fountain, John Newlon, Comm., 1,
 Fountain, Robert Allen, Jr., Comm., 2,
 Foushee, John McIver, Sci., III, 3,
 Fouts, Croatan Lofton, Arts, 2,
 Fouts, Heron Cyrus, Arts, 1,
 Fowler, Miles Beatty, Comm., 1,
 Fowler, Marvin Mangum, Comm., 2,
 Fowlkes, Lynwood Milton, L, 1,
 Foy, Charles Knox, Arts, 1,
 Foy, Claudius Paton, Sci. II, 1,
 Foy, Louis Fowler, Arts, 1,
 Francis, Boris, M, 1,
 Franklin, Walter McKinney, Sci. III, 1,
 Frazier, Kitty Lee, Arts, 3,
 Fred, Jacob Conrad, Sci., II, 1,
 Freeland, Thomas Edward, Comm., 1,
 Freeman, Alton Brooks, Pre-med., 1,
 Freeman, Joseph Franklin, Arts, 3,
 Freeman, Robert Livingston, L, 1,
 Friddle, James Howard, Arts, 1,
 Froneberger, Pinkney Carroll, L, 1,
 Fry, Howard Lee, Sci. III, 1,
 Reidsville.
 Fayetteville.
 New Bern.
 Randleman.
 Greensboro.
 Walstonburg.
 Henderson.
 Waterbury, Conn.
 Greensboro.
 Fuquay Springs.
 Cullowhee.
 Bentonville.
 Lumberton.
 Dobson.
 Shawboro.
 Louisburg.
 Greensboro.
 Greensboro.
 Ramseur.
 Scranton.
 Jamestown.
 Mocksville.
 Tarboro.
 Tarboro.
 Fountain.
 Fountain.
 Greensboro.
 Franklin.
 Franklin.
 Clinton.
 Chapel Hill.
 Rockingham.
 Gastonia.
 New Bern.
 New Bern.
 Asheville.
 Linville Falls.
 Raleigh.
 Hendersonville.
 Spencer.
 Dobson.
 Salisbury.
 Cliffside.
 Stokesdale.
 Bessemer City.
 Pilot Mountain.

Frye, Edward Ronald, Pre-med., 1,
Fuller, Henry Reasoner, Arts, 2,
Fuller, Paul Johnson, Comm., 2,
Fulton, William Forrest, Arts, 3,
Funderburke, William, Sci. IV, 1,
Fuquay, Leon McLeod, Arts, 2,
Fussell, Thomas Edmund, P, 1,
Gaither, William Hayes, Arts, 4,
Galimore, George Dewey, Comm., Spec.,
Gallagher, Patrick Northey, Sci. IV, 2,
Gambill, Walter James, Arts, 3,
Gamble, Ernest Washington, Comm., 1,
Gant, Mason William, Jr., Arts, 2,
Gantt, Clarence Alexander, Comm., Spec.,
Gantt, Edward, Sci. III, 1,
Gardner, Irvine Verser, Comm., 2,
Garmise, Samuel Sigmund, Comm., 1,
Garner, Lofton Leroy, Arts, 2,
Garrett, James McNeill, Comm., 1,
Garrett, Raymond Lorenzo, Comm., 1,
Garrou, William Emmanuel, Sci. I, 1,
Garvey, Fred Kesler, M, 2,
Gaskins, Ernest Fred, Arts, 1,
Gaskins, Joseph Reid, Comm., 3,
Gaskins, Theodore Grady, Pre-med., 1,
Gatewood, Daniel Eugene, Jr., Arts, 1,
Gatling, Edward Liles, Comm., 2,
Gatling, Lance Riddick, L, 1,
Gatling, William Crudup, Arts, 1,
Gattis, Lillian Foushee, Arts, 3,
Gattis, Willie Floyd, Comm., 4,
Gay, Benjamin Smith, Arts, 1,
Gay, Ballard Spruill, L, 1,
Geddie, Rowland Hill, Sci. II, 2,
George, Robert Barnett, Arts, Spec.,
Gerrey, Horton Ray, Comm., 1,
Gholson, Thornton Patton, L, 2,
Gibson, Jefferson Davis, L, 1,
Gibson, Porter Clyde, Arts, 2,
Gibson, Preston Ernest, P, Spec.,
Giddens, Lewis Devereaux, Comm., 1,
Giersch, Otto Lumley, Sci. II, 3,
Gilbert, John Neeley, Sci. III, 3,
Giles, Jessie Florence, Spec., 1,
Giles, Margaret, Arts, 2,
Gillie, Garland Kemp, Comm., 1,

Franklinton.
Bradentown, Fla.
Raeford.
Winston-Salem.
Lancaster, S. C.
Coats.
Chapel Hill.
Elizabeth City.
Lexington.
Durham.
Piney Creek.
Summerfield.
Greensboro.
Fallston.
Chapel Hill.
Danville, Va.
Gastonia.
Newport.
Red Springs.
Burlington.
Valdese.
Elkin.
Stonewall.
Greenville.
Bridgeton.
Wadesboro.
Windsor.
Gates.
Raleigh.
Chapel Hill.
Louisburg.
Montgomery, Ala.
Jackson.
Rose Hill.
East Palestine, Ohio.
Stoneville.
Henderson.
Hamlet.
Laurinburg.
Ruby, S. C.
Goldsboro.
Raleigh.
Statesville.
Chapel Hill.
Hillsboro.
Reidsville.

Gillon, Baxter Monroe, Jr., Comm., 2,	Concord.
Gilmore, Clayton Alexander, Comm., Spec.,	Wadesboro.
Gilreath, Alonzo, L, P, 1,	Hendersonville.
Gilreath, Robert Arthur, M, 1,	Hendersonville.
Glover, Francis Overstreet, Sci. IV, 3,	Salisbury.
Godwin, Howard Gibson, Arts, 1,	Dunn.
Gold, Charles Willis, Jr., Arts, 1,	Greensboro.
Goldston, Alton Burns, Pre-med., 1,	Goldston.
Goode, Bagwell Sutton, P, 2,	Windsor.
Gooding, Guy Vernon, Sci. IV, 2,	Kinston.
Goodman, Alfred Vernon, Pre-med., 2,	Raleigh.
Goodson, Clyde Alvis, Arts, 2,	Lincolnton.
Goodwin, Thomas Martin, Pre-med., 1,	Raleigh.
Goodyear, Edward Rogers, P, 1,	Wallace.
Goover, George Demetrius, Arts, 1,	Danville, Va.
Gorham, Herbert Jenkins, M, 1,	Tarboro.
Gottheimer, Sidney Henry, Sci. I, 2,	West Orange, N. J.
Grady, Henry Alexander, Jr., Arts, 1,	Clinton.
Grady, Keith, Sci. II, 2,	Tryon.
Graham, Daniel Luther, Comm., 3,	Red Springs.
Graham, Robert Sheffey, Sci. II, 1,	Elkin.
Graham, Thomas Pegram, Comm., 4,	Charlotte.
Grainger, James Marion, Comm., 1,	Kinston.
Grant, Clarence Wade, Arts, 2,	Snead's Ferry.
Grant, Freeman Augustus, Arts, Spec.,	Snead's Ferry.
Grant, Percy Granville, Comm., 4,	Snead's Ferry.
Grantham, George Kenneth, Jr., P, 2,	Dunn.
Gray, Garland Alonzo, Pre-med., 2,	Robersonville.
Gray, Herbert Bingham, Arts, 1,	Mebane.
Gray, Marvin Speed, Spec., 2,	Bahama.
Green, Eugene Alston, Arts, 2,	Ramseur.
Green, Winton Wallace, Comm., 3,	Wilmington.
Greenlaw, Dorothy Durland, Arts, 4,	Chapel Hill.
Greenwood, James Clell, Arts, 3,	Biltmore.
Gregory, Edwin Clarke, Jr., Arts, 2,	Salisbury.
Gregory, John Tillery, Arts, 3,	Salisbury.
Gregory, Wiley Nash, Arts, 1,	Norfolk, Va.
Grier, Murray Milton, Sci. III, 2,	Gastonia.
Griffin, Claude Kitchen, Arts, 1,	Elm City.
Griffin, Floyd Sampson, Arts-Laws, 2,	Reidsville.
Griffin, James Edwin, Comm., 2,	Williamston.
Griffin, Josiah Harold, Comm., 2,	Wendell.
Griffin, Lloyd Bennette, Comm., 1,	Goldsboro.
Griffin, Russell Aubrey, Comm., 1,	Woodland.
Griffin, Bruce Willis, Arts, 1,	Charlotte.
Griffin, Robert Henry, L, 1, Comm., 4,	Charlotte.

- Grigg, John Richard, Pre-med., 3,
Griswold, Richard Freeman, Comm., 2,
Groce, Alvin Luther, Arts, 1,
Groce, John Robert, Arts, 1,
Groce, Thomas Arthur, Jr., Comm., 3,
Grose, Willie Clay, Arts-Educ., 4,
Grubbs, Howard Edward, Arts, 1,
Gudger, Lindsey Madison, Arts, 2,
Guigou, Henry Everett, Comm., Spec.,
Gullick, Jonathan Greene, Arts, 4,
Gunter, Truss Bostick, Sci. III, 4,
Gurley, Hubert Taylor, M, 2,
Gutierrez Y. Soler, Andres, Sci. III, 1,
Gwynn, William Wardlaw, Arts, 3,
Gyana, Eugene Edward, Sci. II, 2,
Hackler, Lewis Walter, Arts, 1,
Hadley, William Brower, Comm., 1,
Hagan, James Guy, Comm., 2,
Hair, Robert Clifton, P, 2,
Haizlip, James Otis, Arts, 3,
Hales, Ralph Aaron, Jr., P, 2,
Hall, Clarence Windley, Arts, 1,
Hall, Samuel Cannady, P, 2,
Ham, Joseph Hutchison, Jr., Comm., 2,
Hamer, Douglas, Jr., Arts, 4,
Hamer, Francis Ramsey, Comm., 1,
Hamilton, Martha Lozette, Arts, 4,
Hampton, George Coggin, L, 2,
Hamrick, Forest Wylie, Comm., 4,
Hanes, Andrew Thomas, Arts, 2,
Haney, Charles Lewis, Arts, 2,
Hannah, William Tucker, L, 1,
Hanner, Alsalom Jerome, Comm., 1,
Hardin, Eugene Brooks, P, 1,
Harding, Franklin Daniel Boone, Pre-med., 3,
Harding, John Ralph, Comm., 1,
Harding, William Knowlton, Sci. II, 4,
Hare, Ransom Bryant, Jr., Arts, 3,
Harmon, John Obie, Arts, 4,
Harrell, Walter Dare, Arts, 1,
Harrell, William Horace, M, 2,
Harrington, Walter Wilson, Arts, 2,
Harris, Charles Austin, Pre-med., 1,
Harris, Edwin Freeland, Arts, 1,
Harris, Guy Vernon, Arts, 1,
Harris, Joseph Claxton, P, 1,
Gastonia.
Goldsboro.
Andrews.
Andrews.
Andrews.
Loray.
Walkertown.
Asheville.
Valdese.
Belmont.
Sanford.
High Point.
Santiago, Cuba.
Leaksville.
East Orange, N. J.
Sparta.
Mount Airy.
Greensboro.
Pineville.
Alberta, Va.
Kenly.
Newport.
Oxford.
Charlotte.
McColl, S. C.
McColl, S. C.
Chapel Hill.
Chapel Hill.
Shelby.
Winston-Salem.
Nealsville.
Waynesville.
Liberty.
Wilmington.
Yadkinville.
Rosebank, N. Y.
Charlotte.
Florence, S. C.
Pittsboro.
Jacksonville.
Mamie.
Taylorsville.
Mount Gilead.
Elkin.
Belhaven.
Wendell.

Harris, William Fletcher, Comm., 2,	Elkin.
Harris, William Lysander, Comm., 2,	Henderson.
Harris, Willard Watts, Pre-med., 2,	Henderson.
Harrison, Guy Wendell, Sci. II, 2,	Bailey.
Harrison, Lewis Wardlaw, Arts, 2,	West Raleigh.
Harrison, Vernon Wade, Sci. III, 1,	Bailey.
Harriss, Andrew Jennings, Sci. II, 1,	Wilmington.
Hart, Henry Clifton, Arts, 2,	Clemmons.
Hart, Joseph Herman, Arts, 1,	Clemmons.
Hart, Reuben Gaither, Sci. IV, 2,	Virgilina, Va.
Hartman, Alfred Pleasant, Pre-med., 2,	Winston-Salem.
Hartsell, Earl Horace, Arts, 3,	Stanfield.
Hartsell, Luther Thompson, Jr., L, 2,	Concord.
Hartshorn, Matthew LeFevre, Sci. III, 2,	Azalia.
Hawfield, Clayton, Pre-med., 2,	Matthews.
Hawkins, Frank Noble, Arts, 2,	Dover.
Hawkins, James Edward, Arts, 2,	Raleigh.
Hayes, Leonard Oscar, Jr., Arts, 2,	Fremont.
Haygood, William Edward, Sci. III, 1,	Reidsville.
Heafner, Samuel Byron, Arts, 1,	Crouse.
Hearne, Moses Killebrew, Arts, 2,	Macclesfield.
Hebert, John Ambrose, Arts, 1,	Charlotte.
Hedrick, Clyde Reitzel, M, 2,	Lenoir.
Hedrick, Edward Lawrence, Arts, 3,	Taylorsville.
Hedrick, J. Arnold, Arts, 1,	Stony Point.
Hedrick, Ottis Lee, Comm., 3,	Lenoir.
Hege, Raymond Webster, M, 1,	Clemmons.
Henderson, Frank Nichols, Comm., 1,	Webster.
Henderson, Garland Lee, L, 1,	Graham.
Henderson, John Leonard, Comm., 2,	Warrenton.
Henderson, Lemuel Percy, L, 1,	Trenton.
Henderson, Tyre Glenn, L, 2,	Greensboro.
Henderson, Worth Dewey, L, 2,	Greensboro.
Hendrix, Olin Carlton, Arts, 4,	Advance.
Hennessee, Valentine Broadway, M, 2,	Glen Alpine.
Hepler, Odell Hilliard, Comm., 1,	High Point.
Herman, Preston Winfield, L, 3,	Conover.
Herndon, John Lawing, Spec., 1,	Lincolnton.
Herrick, Howard Jay, Comm., 3,	Williamston.
Herring, Albert Lee, Comm., 2,	Snow Hill.
Herring, Paul Dominic, L, 3,	Clinton.
Herron, Fred Julian, Pre-med., Spec.,	Skyland.
Hester, William Shepherd, M, 1,	Reidsville.
Hetherington, Marion Frank, Sci. III, 2,	Lakeland, Fla.
Hewitt, Albert Cullen, Jr., Comm., 2,	Hickory.
Hewitt, Manuel Lowe, Sci. III, 1,	Newton.

- Hickle, Charles Merle, Arts, 2,
 Hickman, Wesley Jones, P, 1,
 Hicks, Benjamin Horner, Arts, 2,
 Hicks, William Minor, Arts, 1,
 Highsmith, Jacob Frank, Jr., Arts, 4,
 Highsmith, William Cochran, Arts, 1,
 Hight, Charles Edward, Comm., 1,
 Hildebrand, Samuel Bruce, Arts, 1,
 Hill, Gerald Danforth, Comm., 3,
 Hill, George Maurice, Arts, 2,
 Hill, George Watts, L, 1,
 S.B. in Comm., 1922.
 Hill, Vernon Allen, Arts-Educ., 2,
 Hinshaw, Clarence Preston, Arts, 1,
 Hobbs, Isaac Middleton, Comm., 1,
 Hobbs, Walter Newman, Comm., 2,
 Hodges, Brandon Patton, Arts, 2,
 Hodges, Fred Hopkins, Arts, 1,
 Hodges, Jesse Willis Parott, Sci. II, 2,
 Hofler, Ralph Hayes, M, 2,
 Hogan, Alexander Lacy, P, 2,
 Hogan, Henry Saunders, Spec., 3,
 Holden, William Lorence, Arts, 3,
 Holderness, Howard, Arts, 4,
 Holderness, William Henry, Arts, 3,
 Holland, Alma, Spec., 2,
 Holloman, Lewis Jason, P, 2,
 Holloway, Joseph Clark, Pre-med., 2,
 Hollowell, Robert Logan, Arts, 1,
 Holmes, Clayton Carr, L, 2,
 Holshouser, Charles Augustus, Sci. IV, 3,
 Holshouser, Hoy, Arts, 3,
 Holt, Caspian Sea, Sci. II, 1,
 Holt, Fannie Webb, Comm., Spec.,
 Holt, Leslie Hubert, Sci. II, 1,
 Holt, William Preston, Jr., M, 1,
 Honeycutt, Charles Bailey, Arts, 2,
 Honeycutt, David William, Pre-med., 1,
 Honeycutt, Gilbert Mansfield, Comm., 4,
 Hood, Thomas Ruffin, P, 2,
 Hooks, William Borden, Arts, 2,
 Hope, Edward Buist, L, 2,
 B.S., The Citadel, 1917.
 Hope, Robert Allison, L, 2,
 A.B., Presbyterian College of S. C., 1920.
 Hope, William C., Pre-med., 1,
 Hopper, Allen Norwood, Arts, 1,
 Hord, Julian Cletus, P, 1,
 West Asheville.
 Hudson.
 Henderson.
 Oxford.
 Fayetteville.
 Fayetteville.
 Henderson.
 Drexel.
 Beaufort.
 Rutherfordton.
 Durham.
 Chapel Hill.
 Raleigh.
 Clinton.
 Gastonia.
 Asheville.
 Boone.
 Kinston.
 Gatesville.
 Ellerbe.
 Chapel Hill.
 Wilmington.
 Tarboro.
 Tarboro.
 Chapel Hill.
 Harrellsville.
 Durham.
 Ryland.
 Council.
 Salisbury.
 Rockwell.
 Princeton.
 Jacksonville, Fla.
 Princeton.
 Duke.
 Raleigh.
 Linden.
 Chapel Hill.
 Dunn.
 Goldsboro.
 Madison.
 Madison.
 Rockingham.
 Leaksville.
 Shelby.

Horton, Alexander Telfair, Comm., 2,	Raleigh.
Horton, Otis Reece, Pre-med., 1,	Zebulon.
Houser, Everett Alvin, Jr., L, 1,	Shelby.
Houser, Forest Melville, Arts, 3,	Cherryville.
Howard, Corbett Ethridge, M, 2,	Pink Hill.
Howard, Thomas Simmons, Comm., 4,	Pink Hill.
Howe, Isaac Erwin, Comm., 2,	Belmont.
Hoyle, Richard Morrison, Arts, 2,	Newton.
Hoyle, Kenneth Johnson, Arts, 1,	Manteo.
Hoyle, Robert Norris, Arts, 2,	Newton.
Hoyle, Vinton Asbury, Arts-Educ., 2,	Manteo.
Huffines, Robert Luther, Comm., 1,	Rocky Mount.
Huggins, Leonard Victor, Arts, 2,	Hendersonville.
Huggins, William Cantwell, Sci. II, 1,	Wilmington.
Hughes, Miles Augustus, P, 1,	Edenton.
Humphrey, Barney Edison, Sci. II, 4,	Wilmington.
Humphrey, Leston William, Comm., 1,	Wilmington.
Humphrey, Vann H., Comm., 1,	Fayetteville.
Hunt, Edwin Clyde, Arts, 4,	Lexington.
Hunt, George Penn, Comm., 4,	Oxford.
Hunt, John Hazel, Pre-med., 2,	Casar.
Hunt, Lynn Ross, Comm., 3,	Pleasant Garden.
Hunt, William Baker, Jr., Comm., 3,	Pleasant Garden.
Hunt, William Ellis, Arts-Laws, 1,	Pittsboro.
Hunt, William Ernest, Pre-med., 3,	Oxford.
Hunter, Frank Patterson, M, 2,	Warrenton.
Hunter, Gray, Comm., 1,	Winston-Salem.
Hunter, William Cooper, Arts, 2,	Enfield.
Hunter, William Frank, Comm., 3,	Statesville.
Hursey, Frank, Sci. II, 1,	Lakeland, Fla.
Huss, Paul Henry, Arts, 2,	Cherryville.
Huss, Webb Hunter, Arts, 4,	Cherryville.
Hutton, George Norman, Comm., 2,	Hickory.
Ingram, VanBuren, Arts, 1,	Denton.
Irwin, Pollock Lee, Arts 1,	Charlotte.
Isenhour, Robert Rufus, Comm., 3,	Concord.
Israel, Francis Ernest, Arts, 2,	Asheville.
Israel, Fitzhugh Lee, Arts, 1,	Arden.
Ives, Claude Leon, Arts, 4,	Grifton.
Ivey, George Robert, Pre-Law, 1,	Enfield.
Jackson, Marshall Vaden, Pre-med., 2,	Cooper.
Jackson, Rudolph Hoyt, Sci. II, 2,	New Bern.
Jacocks, Thomas Baker, Jr., Sci. II, 3,	Tarboro.
James, Clarence Henry, Sci. IV, 1,	Mount Olive.
James, Dink, Arts, Spec.,	Greenville.
James, Myriel A., Arts, 2,	Paint Fork.

Jamison, John Wesley, Jr., Comm., 1,	High Point.
Jamison, Robert Paul, L, 1,	Charlotte.
B.S., Davidson College, 1922.	
Jenkins, Henry Haynes, Comm., 2,	Avondale.
Jenkins, Joseph Knight, Sci. IV, 1,	Raleigh.
Jenkins, Kelly, L, 3,	Roanoke Rapids.
Jenkins, William Summer, Arts, 2,	Lincolnton.
Jennette, Warren Hellen, Jr., Comm., 1,	Elizabeth City.
Jernigan, Ernest Cooper, Arts, 4,	Durham.
Jerome, Thomas Gilmer, Arts, 1,	Greensboro.
Johnson, Alfred Turner, L, Spec.,	Angier.
Johnson, Eugene Joseph, Arts, 2,	Burgaw.
Johnson, Edgar Martin, Sci. III, 1,	Culberson.
Johnson, Eliot Wesley, M, 1,	Kipling.
Johnson, Gordon Goodwyn, Arts, 1,	Arden.
Johnson, Graham Page, P, 1,	Wallace.
Johnson, Herbert Eugene, Arts, 3,	High Point.
Johnson, Henry Lee, L, 1,	Burgaw.
Johnson, James Edwin, P, 3,	Wallace.
Johnson, Joe Lewis, M, 1,	Apex.
Johnson, John Samuel, P, 1,	Apex.
Johnson, Seymour Anderson, Comm., 3,	Goldsboro.
Johnson, Ausborne Troy, Arts, 1,	Bessemer City.
Johnson, Willis Cantey, Sci. III, 1,	Gastonia.
Johnson, William Lewis, P, 1,	High Point.
Johnston, Claud Stuart, Sci. V, 2,	Chapel Hill.
Johnston, Henry, Jr., Arts, 1,	Tarboro.
Johnston, Hugh Pharr, Arts, Spec.,	Newell.
Johnston, Latta Reid, Comm., 2,	Charlotte.
Johnston, Robert Alexander, M, 1,	Asheville.
Johnston, Wilfred Ivey, Spec., 3,	Charlotte.
Jonas, Charles Raper, Arts, 2,	Lincolnton.
Jones, Charles Leonard, Sci. II, 2,	Reidsville.
Jones, Claude Venus, Comm., 2,	Elizabeth City.
Jones, Edward Thomas, Arts, 1,	Stem.
Jones, Eric Worth, Comm., Spec.,	Newton.
Jones, Francis Ford, Sci. I, 1,	Asheville.
Jones, Jefferson Albright, Pre-med., 2,	Morganton.
Jones, Nathan Festus, Arts, 1,	Hickory.
Jones, P. Sentelle, Arts, 2,	Red Oak.
Jones, Paul Sylvester, Comm., 1,	Beaufort.
Jones, Richard Sloan, Arts, 1,	Franklin.
Jones, William Bowling, Arts, 1,	Stem.
Jordan, David Bryan, Pre-med., 1,	Wilmington.
Jordan, Mills Morrison, Pre-med., 3,	Hamlet.
Joyner, Andrew, Jr., L, 1,	Greensboro.
Joyner, John William Edwin, Comm., 2,	Rocky Mount.

- Justice, James Deyer, Sci. III, 1,
 Justice, William Shipp, M, 1,
 A.B., 1920.
 Justus, Ernest Lee, Arts, 2,
 Justus, George Ewert, Sci. II, 2,
 Kallam, John Lawton, Arts-Educ., 1,
 Kaplan, Frank, Pre-med., 2,
 Keel, X. Theophilus, Comm., 1,
 Keith, Judson Ellis, Spec., 2,
 Keith, Myrtle, Spec., 1,
 Kelly, Harold Justin, Comm., 2,
 Kelly, Herbert Thomas, M, 2,
 Kelly, Julius Gerald, Pre-med., 1,
 Kelly, Leonard William, Arts, 1,
 Kemp, James Hal, Comm., 1,
 Kendall, Benjamin Horton, Pre-med., 2,
 Kendrick, Haywood Benjamin, Arts, 4,
 Kennedy, Horace Greeley, L, 2,
 Kennett, Madge, Arts, Spec., 1,
 B. Educ., N. C. College for Women, 1917.
 Kenney, Stephen Etheridge Winston, Arts, 2,
 Kerr, James Yancey, Arts, 4,
 Kesler, Bernie Barton Calhoun, Arts, 4,
 Kesler, John C., Arts, 3,
 Kesler, Robert Cicero, Pre-med., 2,
 Kimbrough, Joseph William, Jr., M, 2,
 Kindley, William Erwin, Arts, 1,
 King, Herman Lee, Comm., 2,
 King, James Clifton, Arts, 1,
 King, James Victor, Comm., 1,
 King, William Henry, Comm., 1,
 Kirby, James Hines, P, 1,
 Kirkpatrick, Joseph Pratt, Comm., 2,
 Kirtiker, Dinker Bapuji, P, 3,
 Ph.G., Columbia University, 1922.
 Kiser, Clyde Vernon, Arts, 2,
 Kiser, Henry Lester, L, 2,
 Kitchin, Clement Satterfield, L, 1,
 Kitchin, Mark Reed, L, 2,
 Klingenschmitt, Harold Charles, Sci. II, 1,
 Knight, Robert Seymour, Jr., P, 1,
 Knott, William Clarence, Arts, 1,
 Knowles, William Hatcher, Comm., 1,
 Knox, Augustus Washington, Jr., Comm., 2,
 Knox, Edward Montgomery, Sci. III, 4,
 Knox, Robert Worth, Sci. II, 1,
 Koonce, Donald Brock, Arts, 1,
 Koonce, Edward Everett, Arts, 2,
 Rutherfordton.
 Chapel Hill.
 Flat Rock.
 Flat Rock.
 Reidsville.
 Mt. Gilead.
 Rocky Mount.
 Chapel Hill.
 Chapel Hill.
 Jonesboro.
 Fayetteville.
 Fairmont.
 Yadkinville.
 Charlotte.
 Shelby.
 Cherryville.
 Shelby.
 Chapel Hill.
 Windsor.
 Warrenton.
 Salisbury.
 Salisbury.
 Salisbury.
 Raleigh.
 Fayetteville.
 Sanford.
 Wilmington.
 Sanford.
 Wilmington.
 Kenly.
 Efland.
 Santa Cruz, India.
 Bessemer City.
 Bessemer City.
 Scotland Neck.
 Biltmore.
 Lockport, N. Y.
 Columbia.
 Burlington.
 Asheville.
 Raleigh.
 Chapel Hill.
 Newton.
 Wilmington.
 Wilmington.

Koonts, Louis Allan, Arts, 1,
 Koontz, Rufus Guyn, Sci. II, 4,
 Kosch, Sidney, Comm., 1,
 Kyser, Edward Vernon, P, 3,
 Ph.G., 1915.
 Lacy, Thomas Allen, M, 1,
 A.B., Davidson College, 1922.
 Lackey, Paul Sharpe, Comm., 2,
 Lackey, Walter Jackson, Pre-med., 1,
 Laidlaw, Herbert Rhodes, P, 2,
 Lamb, John Cotten, Sci. I, 1,
 Lambeth, Mark Thomas, Arts, 1,
 Lamm, Lewis Marion, P, 2,
 Lancaster, Lawrence Earl, Arts, 1,
 Lancaster, Ralph Lawrence, L, 1, Arts, 1,
 Land, Caroline, Spec., 1,
 Lander, Bruce Ramsey, Sci. V, Spec.,
 Lane, Frederick Gray, Arts-Educ., 2,
 Lane, John Bryant, Jr., Comm., 2,
 Lane, Sidney Johnston, Jr., Comm., 4,
 Laney, Emsley Armfield, Comm., 3,
 Lanier, Edwin, Comm., 2,
 Lankford, Greene Wright, Arts, 4,
 Lassiter, Cornelius Everett, Comm., 2,
 Lassiter, Leroy Irwin, Sci. III, 3,
 Lauerhoss, Ludwig, Arts, 1,
 Laughinghouse, Charles O'Hagan, L, 2,
 Lawrence, George Harold, Spec., 1,
 Lawrence, Harold Austin, Sci. III, 2,
 Lazarus, Jack, Pre-med., 2,
 Leake, Everette Majette, M, 1,
 Leary, Eugene, Arts., 1,
 Ledford, Henry William, Arts, 1,
 Lee, Raleigh Bradford, L, 2,
 Legette, George Little, Comm., Spec.,
 Leggett, Clifton Lanier, Comm., 1,
 Leggett, Harold Gordon, Comm., 1,
 Leggett, William Thomas, Arts, 2,
 Lemmond, Walker Avery, Comm., 4,
 Lennon, Willie Earle, M, 2,
 Leonard, Grady Hill, Sci. I, 4,
 Lewis, Charles Raven, Arts, 1,
 Lewis, Clifford Whitfield, Pre-med., 1,
 Lewis, James Spencer, Sci. III, 1,
 Light, Maurice Hyman, Sci. IV, 1,
 Liles, Lawrence Poland, Comm., 2,
 Liles, Nelson Prentiss, Arts, 3,

Cooleemee.
 Mocksville.
 Wilmington.
 Chapel Hill.

 Raleigh.

 Hiddenite.
 Fallston.
 Marion.
 Baltimore, Md.
 Brown Summit.
 Lucama.
 Vanceboro.
 Rocky Mount.
 Chapel Hill.
 Lincolnton.
 Morganton.
 Fremont.
 Henderson.
 Monroe.
 Metter, Ga.
 Harmony.
 Rich Square.
 Rich Square.
 Asheville.
 Greenville.
 Chapel Hill.
 Rosebank, N. Y.
 Sanford.
 Rich Square.
 Merry Hill.
 Asheville.
 Aurora.
 Burlington.
 Hertford.
 Burlington.
 Tarboro.
 Matthews.
 Manteo.
 Lexington.
 Faison.
 Beaufort.
 Rocky Mount.
 Tarboro.
 Wilsons Mills.
 Lilesville.

Lillycrop, William Arthur, Arts, 4,	Charlotte.
Lindgren, Powell Todd, Comm., 2,	Charlotte.
Lineberger, Henry Abel, Comm., 3,	Belmont.
Lineberger, James Harold, Arts, 1,	Belmont.
Linehan, William Augustus, Jr., Arts, 1,	Raleigh.
Lingerfeldt, Thomas Clinton, Arts-Educ., 3,	Bessemer City.
Linker, Robert White, Arts, 2,	Salisbury.
Linker, William Murray, Arts, 4,	Salisbury.
Linney, Romulus Zachariah, Arts, 3,	Charlotte.
Little, James Thomas, Arts, 4,	Greenville.
Little, Lonnie Marcus, M, 2,	Statesville.
Little, Robert Gray, Arts, 2,	Greenville.
Little, Thomas Arthur, Arts-Educ., 4,	Gulf.
Lively, Knox Kent, Arts, 3,	Reidsville.
Livengood, Baxter Alphonso, M, 2,	Winston-Salem.
Livingston, Theodore Burroughs, Arts, 1,	Asheville.
Lloyd, Grace Mae, Arts, 1,	Chapel Hill.
Loftin, Frank English, M, 1,	Mount Olive.
Logan, Robert Franklin, Arts, 2,	Yadkinville.
Logie, Leslie C., Sci. II, 1,	Manatee, Fla.
Logie, McDonald Bride, Sci. III, 2,	Manatee, Fla.
London, Arthur Hill, Sci. IV, 3,	Pittsboro.
London, John Bryan, Sci. II, 2,	Charlotte.
Long, Thomas Walter, Sci. IV, 1,	Newton.
Long, Zachary Fillmore, Arts, 4,	Rockingham.
Lore, Ralph Eli, Pre-med., 2,	Lincolnton.
Lott, William Clifton, Sci. IV, 1,	Hendersonville.
Love, Edgar, Comm., 1,	Lincolnton.
Love, George Ray, Arts, 2,	Red Springs.
Lovin, W. Frank, Arts, 1,	Gibson.
Lowe, Donald Alexander, Comm., 2,	Red Springs.
Lowe, George Edwin, Comm., 1,	Charlotte.
Lynn, Cy Kellie, Pre-med., 1,	Hickory.
McAnally, Alfred Loomis, M, 2,	Madison.
McAnally, Charles Wellington, Arts, 2,	High Point.
McAnally, James McGehee, Sci. IV, 3,	High Point.
McAuley, Cecil Rotering, Comm., 1,	Huntersville.
McAuley, Olin Caldwell, Comm., 4,	Huntersville.
McBryde, James Conoly, Comm., Spec.,	Shannon.
McCain, William Franklin, Arts, 2,	Waxhaw.
McCall, Fred Bays, L, 2,	Charlotte.
A.B., 1915.	
McCall, Johnston Vannoy, Arts, 3,	Charlotte.
McCaskill, Malcolm Theodore, Arts, 2,	Candor.
McCaul, Stacy Webb, Arts, 1,	Denver.
MacClamroch, James Robbins, Jr., Arts, 3,	Greensboro.
McClelland, Joseph Hugh, Pre-med., 1,	Maxton.

McCloy, Joseph Dixon, Comm., 2,	Monticello, Ark.
McColman, John Lee, Arts, 1,	Gibson.
McCoy, Cullen Miles, Sci. IV, 3,	Cove City.
McCoy, George William, L, 1, Arts, Spec.,	Asheville.
McCrummen, Dan Clayton, P, 2,	West End.
McCutchen, Albert Sidney, Sci. IV, 1,	Lincolnton.
McDade, Mary Belle, Arts, Spec.,	Hurdle Mills.
McDaniel, Eugene Marvin, Pre-med., 1,	Fayetteville.
McDaniel, Everett Sultan, Pre-med., 2,	Henderson.
McDonald, Angus Morris, Jr., Arts, 3,	Charlotte.
McDonald, Charles Henry, Jr., P, 1,	Wadesboro.
McDonald, Robert Claude, Sci. II, 1,	St. Pauls.
McDonald, Samuel Howard, Comm., 2,	Charlotte.
McDonald, William Russell, P, 1,	Waxhaw.
McDowell, Archibald, Jr., Arts, 4,	Scotland Neck.
McDowell, Frank Smith, Pre-med., 1,	Morganton.
McDuffie, Fuller, Pre-med., 1,	Biscoe.
McEachern, John Scarborough, Jr., Comm., 1,	Wilmington.
McElroy, John Hardwicke, L, 2,	Marshall.
McFadyen, Archie Pelham, Comm., 1,	Waynesville.
MacFadyen, Paul Rutherford, Jr., Sci. IV, 3,	Concord.
McGalliard, John Calvin, Arts, 3,	Chapel Hill.
McGee, Alan Marshall, Comm., 4,	Goldsboro.
McGee, Frank, Comm., 2,	Germanton.
McGlaughon, Frank Edmund, Comm., 3,	Wilmington.
McGuire, Woodson Hughes, Comm., 1,	Zebulon.
McGwigan, John Whitfield, Arts, 1,	Enfield.
McIlwean, Ray Munford, Arts, 1,	New Bern.
McIntosh, Arthur Talmage, Pre-Law, 3,	Roberdel.
McIntyre, Alfonso Everett, Arts, 1,	Altamahaw.
McIver, Herman Martin, Sci. V, 2,	Mebane.
McIver, Winslow Scott, Arts, 1,	Sanford.
McKee, John Sasser, Jr., Sci. IV, 1,	Raleigh.
McKinney William, L, 1,	Reidsville.
McLean, James Augustus, Comm., 1,	Lincolnton.
McLean, Joseph Altria, M, 1,	Gibsonville.
A.B., 1922.	
McLean, James Stedman, Arts, 2,	Lillington.
McLennan, Dallace, Comm., 1,	Chapel Hill.
McLennan, Daniel Commie, Comm., 3,	Chapel Hill.
McLeod, Charles Hastings, Jr., Arts, 1,	Tiptonville, Tenn.
McLeod, Neill Henry, Arts, 1,	Raleigh.
McMaster, James Riley, Sci. IV, 1,	Winnsboro, S. C.
McMullan, William Oscar, Arts, 2,	Elizabeth City.
McMurray, Ernest Logan, Arts, 3,	Columbus.
McNairy, Charles Banks, Jr., Comm., 2,	Kinston.
McNatt, John Philip Hancock, Arts, 1,	Parkton.

McNeelly, Matthew Jerome, M, 1,	Toledo, Ohio.
McNeill, George Vernon, Comm., 2,	Rowland.
McNeill, Vance, Arts, 1,	Parkton.
McPherson, Elizabeth, Arts, 4,	Shiloh.
MacRae, Charles Broadfoot, L, 1,	Chapel Hill.
MacRae, Cameron Farquhar, Jr., Sci. III, 1,	Asheville.
MacRae, James, L, 1,	Fayetteville.
MacRae, John Donald, Jr., Sci. IV, 3,	Asheville.
McSwain, Minor Franklin, Pre-med., 2,	Shelby.
McWhorter, Malcolm Hubert, Arts, 2,	Calypso.
Macgill, Charles Richard, Arts, 1,	Greensboro.
Mackie, Nathan Walser, Pre-med., 3,	Booneville.
Madison, Monro Bolling, Arts-Educ., 1,	Webster.
Madry, Wilbur Dennis, Arts, 2,	Scotland Neck.
Maeshima, Yutaka, P.W., Spec.,	Tokyo, Japan.
Mahler, Carl Kampen, Comm., 4,	Wilmington.
Mallison, Walter Ulrich, Pre-med., 1,	Morehead City.
Malpass, Bishop Lemley, Arts, 3,	Goldsboro.
Maness, Archibald Kelly, Pre-med., 1,	Biscoe.
Maness, Theodore Edgar, Sci. III, 1,	Ramseur.
Mangum, Ernest Preston, Comm., 3,	Kinston.
Mann, Estle Ray, Arts-Educ., 1,	Swannanoa.
Mann, Frank Bascom, Arts, 2,	Franklin.
Mann, Julian Edward, Arts, 1,	Middletown.
Manning, Francis Marion, Comm., 2,	Williamston.
Manning, Hattie Catherine, Arts, 3,	Catherine Lake.
Marsh, Hal Rowe, Arts, 1,	Marshville.
Martin, Anthony Bennings, Jr., Arts, 2,	Leaksville.
Martin, Hunter Evander, L, 1,	Fayetteville.
Martin, Irving Lee, Arts, 1,	East Bend.
Martin, Norman, Arts, 2,	Asheville.
Martin, Oscar Eugene, Sci. III, 4,	East Bend.
Martin, William Mack, Arts, 1,	Leaksville.
Mason, Oscar Ferdinand, L, 1,	Gastonia.
Massey, Charles Knox, Arts, 2,	Durham.
Mast, James Brady, Arts, 3,	Mast.
Matheson, Joe Gaddy, Pre-med., 2,	Raeford.
Matheson, Robert Arthur, M, 1,	Raeford.
Matthews, Charles Irving, Arts, 4,	Clinton.
Matthews, Pierce Yarrell, Comm., 3,	Black Mountain.
Matthews, Rudolph Samuel, Pre-med., 2,	Albemarle.
Mattison, George Glenn, Sci. II, 1,	Greenwood, S. C.
Maultsby, Ralphe Clarke, Arts, 2,	Rutherfordton.
Mauney, Carl Glenn, Sci. II, 4,	Maiden.
Mauney, Walter McCombs, P, 1,	Murphy.
Maus, Fred Beall, Sci. V, 1,	Greensboro.
May, Reginald Cameron, Sci. III, 4,	Lenoir.

- Mayo, Edwin Long, Comm., 1,
Mayo, Thomas Louis, Arts, 1,
Meacham, Jesse Alton, Arts, 1,
Meadows, Franklin Pierce, Arts, 1,
Mebane, William Marion, Sci. I, 2,
Mehaffey, Hawley, Sci. II, 1,
Mendenhall, John Henry, M, 1,
Mercer, Dempsey William, Sci. II, 1,
Merritt, Chancie Lee, Spec., 2,
Merritt, Carol Zola, Arts, 4,
Merritt, Hubert Learea, Sci. V, 1,
Messick, Arline Franklin, Arts, 2,
Metzenthin, Kathleen Proctor, Spec., 1,
Metzger, Anne Elysabeth, Arts, 1,
Mewborn, James Marion, Jr., Arts, 1,
Mewborn, Thomas William, Sci. IV, 2,
Meyer, Sigmund Antonio, Arts, 2,
Michal, James Weston, Sci. II, 2,
Midyett, Samuel Buxton, Arts, 3,
Mikell, Isaac Jenkins, Jr., Arts, 2,
Milham, Claude Gilbert, Pre-med., 2,
Millender, Lucy, Arts, 3,
Miller, Baxter Hocutt, Arts, 2,
Miller, Henry Alexander, Arts, 2,
Miller, James Lowry, Arts, 4,
Miller, Leitner Sutton, P, 2,
Miller, Marvin Alwin, Arts, 1,
Mills, Roy Edward, Arts, 2,
Milstead, Andrew Dallam, Arts, 3,
Milstead, John Woodson, Comm., 1,
Milton, Robert Houston, P, 2,
Mincey, Elry Leva, Arts, 2,
Mitchell, Franklin Troy, P, 1,
Mitchell, Gurney Talmage, Pre-med., 2,
Mitchell, Hugh Gordon, Comm., 2,
Mitchelle, Robert Lee, Comm., 1,
Mitchum, William Clayton, Arts, 4,
Mizelle, Clyde Edgar, Comm., Spec.,
Moehlmann, Gerhardt Carl, Sci. II, 1,
Monaghan, Joseph Clark, Pre-med., 1,
Monk, Erwin Edwin, L, 2,
Monroe, Thomas Isaac, Sci. II, 1,
Montague, Paul Nissen, L, 1,
Montgomery, Roy Luther, Arts, 1,
Moore, Allen David, Comm., 1,
Moore, Charles Allen, Arts, 2,
Washington.
Goldsboro.
Gibson.
Franklin.
Newton.
Newton.
Greensboro.
Riddle.
Chapel Hill.
New Bern.
University.
Winston-Salem.
Chapel Hill.
Chapel Hill.
Kinston.
Kinston.
Enfield.
Woodrow.
Jackson.
Columbia, S. C.
Hamlet.
Asheville.
Durham.
Raleigh.
Gastonia.
Pineville.
Call.
Polkton.
Charlotte.
Charlotte.
Albemarle.
Hillsboro.
Fairmont.
Jennings.
Statesville.
Yanceyville.
Kannapolis.
Roanoke Rapids.
Conover.
Fayetteville.
Asheville.
Greensboro.
Winston-Salem.
High Point.
Burlington.
Charlotte.

Moore, Carrie Cordelia, Pre-med., 1,	Chapel Hill.
Moore, George Barnes, Arts, 2,	Wimington.
Moore, James Shine, Pre-Law, 1,	Chapel Hill.
Moore, Leonidas Holt, Arts, 3,	Faison.
Moore, Larry Ichabod, Jr., Comm., 3,	New Bern.
Moore, Margaret Eliza, Spec., 1,	Chapel Hill.
Moore, Robert Romulus, Jr., Comm., 1,	Leaksville.
Moore, William Curtis, Jr., Sci. II, 4,	Statesville.
Moose, Edith Key, Pre-med., 2,	Rose Hill.
Moose, Roy Archibald, P, 1,	Mount Pleasant.
Moose, William, Arts, 2,	Taylorsville.
Morgan, Arthur Elwood, Arts, 1,	Raeford.
Morgan, Francis Greer, Arts, 3,	Burlington.
Morgan, John Andrew, Arts-Laws, 1,	Cary.
Morgan, Thomas Joseph, Arts, 1,	Pittsboro.
Morris, Fred Detwiley, Arts, 3,	Gastonia.
Morris, Reuben Franklin, Arts, 1,	Walkertown.
Morris, Roy Wilson, Comm., 3,	Gastonia.
Morrison, Ivey Lee, Comm., 2,	Shelby.
Morrison, Worth Edwin, Arts, 1,	Wilkesboro.
Morse, Mildred Eliza, Arts, 4,	Charlotte.
Morton, Herman Whitehurst, Pre-med., 1,	Jacksonville.
Morton, Levi Thomas, Pre-med., 3,	Jacksonville.
Moser, Artus Monroe, Arts, 4,	Swannanoa.
Moss, Beverly Turpin, Arts, 1,	Washington.
Moss, Clarence Clyfton, Arts, 1,	New London.
Moss, Charles, O., Arts, 1,	Wilson.
Moss, Eugene Harold, Sci. III, 2,	Lillington.
Motsinger, John Fairbanks, L, 1,	Wallburg.
Moxley, Jane, P.W., Spec.,	Nutley, N. J.
Moye, Robert Orville, Arts, 2,	Greenville.
Murchison, Murdoc Lewis, Sci. II, 1,	Raleigh.
Murdock, William Henry, Arts, 2,	Durham.
Murphy, George Moseley, Sci. I, 3,	Wilmington.
Murphy, Spencer, Arts, 2,	Salisbury.
Murray, Austin Stacy, Arts, 1,	Leaksville.
Murray, Horace Shaw, Comm., 1,	Greensboro.
Musselwhite, William Marshall, Arts, 1,	Wadesboro.
Myers, Dwight Loftin, M, 2,	Jennings.
Myers, Marvin Philip, Arts, 1,	Jennings.
Nance, Fred, Sci. IV, 1,	Spray.
Nance, John Claude, Arts, 1,	Boxwood, Va.
Nash, Pembroke, Arts, 1,	Tarboro.
Neal, Joseph Franklin, Comm., 1,	Jefferson.
Neal, Peyton Ring, Sci. V, 1,	Greensboro.
Neblett, James Barbee, Arts, 1,	Morgan City, Miss.

Neiman, Abe Bernard, Arts, 3,	Charlotte.
Nelson, Stacy Gordon, P, 1,	Gloucester.
Nesbett, Teasdale Clark, Pre-med., 1,	Chapel Hill.
Neville, Hubert, Comm., 4,	Chapel Hill.
Newby, George Edgar, Jr., Arts, 3,	Hertford.
Newton, Zachariah Boardman, Sci. IV, 3,	Fayetteville.
Norfleet, Ashley Curtis, M, 2,	Tarboro.
Norfleet, Charles Edward, Comm., 3,	Winston-Salem.
Norman, William Kemp, Sci. III, 1,	Leaksville.
Norton, Alton Bruce, Comm., 2,	Gibson.
Norton, Wilburn Lafayette, Arts-Educ., 1,	Raeford.
Norwood, Hart, Arts, 2,	Goldsboro.
Norwood, Shelley Vernon, Sci. III, 1,	Durham.
Nye, Robert Bruce, Pre-med., 2,	Andrews.
O'Neal, George Earl, Comm., Spec.,	Louisville, Ky.
Ogburn, Herman Kapp, Pre-med., 1,	Winston-Salem.
Ogburn, Lundie Calvin, Pre-med., 1,	Raleigh.
Ormand, John William, M, 1,	Bessemer City.
Ormand, Robert James, Sci. I, 1,	Bessemer City.
Orr, Albert Summey, Comm., 4,	Charlotte.
Overcash, William Earl, M, 2,	Statesville.
Overman, Donald Ethelred, Comm., 2,	Stantonsburg.
Overman, William Jackson, Sci. II, 1,	Elizabeth City.
Owen, Franklyn Denning, Jr., Sci. III, 2,	Raleigh.
Owen, George William, Sci. I, 1,	Raleigh.
Owens, Edward Lindsay, Arts, 2,	Plymouth.
Owens, Lawrence Eugene, Sci. IV, 1,	Winnsboro, S. C.
Owens, Robert Bruce, Jr., Comm., 2,	Charlotte.
Padgett, Charles King, Sci. IV, 2,	Forest City.
Pakula, Sidney, Pre-med., 1,	Raleigh.
Palmer, Archibald William, P, 1,	Gulf.
Parcell, Harold Dawes, Arts, 4,	Tampa, Fla.
Parker, Frederick Pope, Jr., Comm., 2,	Goldsboro.
Parker, Henry Nathaniel, Arts, 1,	Raleigh.
Parker, Jefferson Davis, Jr., Arts-Educ., 1,	Sylva.
Parker, Shepherd Falkener, Pre-med., 1,	Goldsboro.
Parker, William Vann, Arts, 4,	Monroe.
Parker, Walter Wellington, P, 2,	Henderson.
Parks, Paul Blair, Jr., Comm., 2,	West Durham.
Parlier, Charles Aycock, Arts, 1,	King's Creek.
Parlier, Clarence Carter, Arts, 1,	King's Creek.
Parlier, Felix John, Arts, 1,	King's Creek.
Parsley, Oscar Grant, Comm., 2,	Fayetteville.
Parsons, Paul Grier, L, 2,	Demopolis, Ala.
Patrick, Benjamin Franklin, Comm., 1,	Greenville.
Patterson, Edward, Comm., 2,	Hendersonville.

Patterson, Edward Richard, Arts, 1,	Smithfield.
Patterson, Fred Mack, Arts, 1,	Franklinville.
Patterson, Howard Alexander, M, 2,	Chapel Hill.
A.B., 1921.	
Patterson, Junius Gustavus, Pre-med., 2,	Charlotte.
Patton, George Brabson, L, Spec.,	Franklin.
Patton, George Tazewell, Jr., Arts, 2,	Darlington, S. C.
Patton, William Herman, Jr., Sci. III, 1,	Bridgewater.
Pearce, Edwin Wolfe, Arts, 1,	Greensboro.
Pearce, Frank, Pre-med., 2,	Princeton.
Peebles, Glenn Warren, Arts, 1,	Macclesfield.
Peebles, Marion Wooten, Comm., 3,	Lawrenceville, Va.
Peedin, Raymond McKee, Pre-med., 1,	Pine Level.
Peeler, Clifford Alexander, Comm., 3,	Salisbury.
Peeler, James Lee, Arts, 2,	Bessemer City.
Pegg, Jabes Paul, Arts, 1,	Guilford College.
Pegram, Sam Jay, Jr., Arts, 1,	Asheville.
Pelletier, Gerald, Arts, 1,	Stella.
Pemberton, Heath Lee, Comm., 3,	Concord.
Pendergraft, Floy, Arts, 1,	Chapel Hill.
Pendergraft, Pearl, Arts, 4,	Chapel Hill.
Pendergraft, Ralph Numa, Comm., 2,	Chapel Hill.
Penn, May Belle, Arts, 4,	Greensboro.
Penton, Daniel Harris, Jr., Comm., 2,	Wilmington.
Pepper, Francis DeWitt, Arts, 1,	Winston-Salem.
Perdue, William Clyde, L, 2,	Henderson.
Perine, Keble Barnum, Spec., 1,	Chapel Hill.
B.S., Mass. Inst. of Technology, 1922.	
Perkins, James Vance, Comm., 3,	Stokes.
Perkinson, Malvin Zack, Comm., 1,	Spencer.
Perry, Charles Herman, Arts, 4,	Balsam.
Peterson, Joseph Edward, Comm., 1,	Smithfield.
Petree, Samuel Elmer, Arts, 3,	Danbury.
Pfohl, William Frederick, Arts, 1,	Winston-Salem.
Phillips, Fonnies Lee, Arts, 1,	Ashboro.
Phillips, Llewellyn, Comm., 1,	Morehead City.
Phillips, Laurence Vermeule, Sci. I, 4,	Columbia, S. C.
Phillips, Robert Wade, Sci. V, 1,	Greensboro.
Phillips, William Franklin, Sci. II, 1,	Charlotte.
Phipps, Luther James, L, 1,	Chapel Hill.
Pickard, Annie Artelia, Arts-Educ., 3,	Chapel Hill.
Pickard, Ellis Melvin, Arts, 2,	Burlington.
Pickens, Robert Sylvester, Spec., 2,	Morganton.
Pickens, Rupert Tarplay, Arts, 2,	High Point.
Pickett, Howell Grady, Sci. I, 4,	Madison.
Pigott, Dan Shepard, P, 1,	Gloucester.
Pipkin, Willis Benton, Comm., 1,	Reidsville.

- Pittman, Erwin Brasca, Sci. V, 1,
 Pless, Edwin Justice, Sci. II, 3,
 Plint, Bertram Hattenrath, Pre-med., Spec.,
 Plummer, Orlay Edward, Sci. II, 1,
 Plyler, Dwight, Sci. III, 3,
 Poindexter, Charles Crawford, L, 1,
 Poindexter, Hubert Turner, Arts, 1,
 Polk, James Knox, Arts, 2,
 Pollard, William Albert, Jr., Comm., 3,
 Poole, James Wyche, Comm., 2,
 Poole, Laurie Brittain, P, 2,
 Poole, Marvin Bailey, Arts, 1,
 Poole, Robert Edward, Comm., 3,
 Pope, Henry Judson, Jr., Sci. IV, 1,
 Poston, Aubrey Eugene, Arts, 2,
 Potter, Thomas Thomas, Comm., 1,
 Potts, Mary Winifred, Arts, 4,
 Powell, Charles Percy, Arts, 4,
 Powell, Joseph Clay, Arts, 2,
 Powell, James Ernest, Arts, 2,
 Powers, Clovis Boyd, L, 1,
 Poyner, William Griggs, Comm., 2,
 Prescott, Colie Eugene, Comm., 3,
 Prescott, James Carlyle, Comm., 3,
 Prescott, Rodney Spivey, Comm., 1,
 Presnell, Wilmer Carr, Comm., 3,
 Prevette, Julius Franklin, Sci. I, 2,
 Price, John Henry, Comm., 2,
 Price, Ralph Clay, Arts, 4,
 Price, Wright Moore, Sci. III, 1,
 Pridgen, Carl Waldo, Jr., Arts, 2,
 Prince, Charles L'Empriere, Arts, 1,
 Prince, William Marshall, L, 1,
 Pritchard, Margaret, Arts, Spec.,
 Pritchard, William Grady, L, 1,
 S.B. in Comm., 1922.
 Privett, Hassie McNeill, Arts, 1,
 Proctor, William Clyde, Arts, 3,
 Pruden, James Norfleet, Comm., 1,
 Pulliam, Benjamin Eloth, Pre-med., 1,
 Purrington, Alfred Luther, Jr., L, 1,
 A.B., 1921.
 Purser, John Raymond, Jr., Sci. II, 3,
 Quattlebaum, James Tindal, Arts, 4,
 Quinby, Wickliffe Commandeur, Sci. I, 2,
 Quinerley, Jesse Latham, Comm., 3,
 Quinn, Jerry Julian, Comm., 1,
 Smithfield.
 Marion.
 Winston-Salem.
 Crumpler.
 Monroe.
 Franklin.
 Elkin.
 Warrenton.
 Farmville.
 Greensboro.
 Clayton.
 Raleigh.
 Forest City.
 Mount Olive.
 High Point.
 Beaufort.
 Davidson.
 Winston-Salem.
 Tarboro.
 Bell Buckle, Tenn.
 Lumberton.
 Poplar Branch.
 Grantsboro.
 Ayden.
 Ayden.
 Ashboro.
 North Wilkesboro.
 Tarboro.
 Greensboro.
 Chapel Hill.
 Kinston.
 Laurinburg.
 Laurinburg.
 Chapel Hill.
 Chapel Hill.
 Spring Hope.
 Durham.
 Edenton.
 Winston-Salem.
 Scotland Neck.
 Charlotte.
 Columbia, S. C.
 West Orange, N. J.
 Grifton.
 Kinston.

- Quinn, Raymond Ellis, Comm., 3,
Ragland, Julius, Pre-med., 2,
Ragsdale, George Young, Arts, 3,
Ragsdale, James Edward, Comm., 3,
Ramsey, Gordon Louis, Arts, 1,
Randolph, Philip Sprague, Spec., 2,
Rand, Cecil Holmes, M, 1,
Rand, Emmett Gladstone, M, 1,
A.B., 1922.
Rankin, Alexander Martin, Jr., Comm., 2,
Ranson, Murphy Dale, Comm., 3,
Ranson, Robert Lacy, Comm., 3,
Raper, Arthur Franklin, Arts, 3,
Raper, John Elisha, Comm., 3,
Rawley, David Albert, L, Spec.,
Rawlins, Hubert Laurance, Arts, 1,
Rawls, Guy Woolard, Comm., 1,
Ray, Charles Edwin, Jr., Sci. II, 2,
Ray, Fred Chamberlain, Sci. III, 3,
Ray, Samuel Philip, Arts, 2,
Reaves, Edwin LeRoy, P, 2,
Reavis, Peter Augustus, Jr., Comm., 4,
Redditt, Daniel Earl, Pre-med., 1,
Redwine, James Daniel, Sci. IV, 2,
Redwine, John McAlister, Arts, 2,
Redwine, Thomas Worth, Comm., 2,
Rees, Henry Ebenezer, P, 1,
Reese, Sidney Warren, Sci. II, 1,
Reeves, Charles Gordon, Arts, 2,
Reeves, Jefferson, P, 2,
Reid, Charles Lewis, Arts, 3,
Reid, Paul Apperson, Comm., 2,
Reid, Romulus, Arts, 1,
Reitzel, John Brooks, Comm., 3,
Reynolds, Hal Kerns, Comm., 3,
Rhodes, John Sloan, Sci. IV, 1,
Rhue, Jesse Robert, Arts, 4,
Rice, Leslie Davis, P, 2,
Richards, Selden Silliman, Sci. II, 2,
Richardson, Marvin Taylor, Pre-med., 2,
Richardson, Robert Glenn, P, 1,
Richardson, William Hunt, Sci. III, 1,
Riddle, Joseph Bennett, Jr., Pre-med., 2,
Rierson, John Selby, Arts, 1,
Riggins, John Clifton, Sci. IV, 2,
Rike, Robert Clayton, Sci. II, 4,
Ritchie, William Alexander, Comm., Spec.,
Wilson.
Salisbury.
Smithfield.
Florence, S.C.
Asheville.
Asheville.
Garner.
Garner.
High Point.
Huntersville.
Huntersville.
Welcome.
Linwood.
Winston-Salem.
Greensboro.
Raleigh.
Waynesville.
Leaksville.
Leaksville.
Raeford.
Chapel Hill.
Edward.
Salisbury.
Monroe.
Monroe.
Lincolnton.
Capron, Va.
Nathans Creek.
Waynesville.
Rutherfordton.
Pilot Mountain.
Asheville.
High Point.
High Point.
Bessemer City.
Stella.
Beaufort.
Cranford, N. J.
Raleigh.
Selma.
Wendell.
Morganton.
Wilson.
Matthews.
Randleman.
Concord.

Robbins, James Raymond, Arts, 2,	Jamestown.
Roberson, Ernest Edward, Comm., 1,	Nashville.
Roberson, Vance Little, Comm., 1,	Robersonville.
Roberts, Bryan Nazer, M, 2,	Hillsboro.
Roberts, Chauncey Hardwick, Comm., Spec.	Fletcher.
Roberts, Gratz Linwood, Pre-med., 3,	Fairfield.
Roberts, John Munsey, Arts, 2,	Asheville.
Robertson, Alban Greaves, Arts, 1,	Leaksville.
Roberts, Loyd Harvey, Pre-med., 1,	Wendell.
Robinson, Alton Hampton, L, 2,	Asheville.
Robinson, Charles Edwin, Jr., Comm., 2,	Lincolnton.
Robinson, Douglas McGuire, Sci. IV, 1,	Mars Hill.
Robinson, Edmund Eugene, Sci. I, 3,	Concord.
Robinson, Frank, Jr., P, 2,	Rutherfordton.
Robinson, George Fleming, L, 1,	Weaverville.
Robinson, Walter Collins, Comm., 2,	Greensboro.
Rodgers, Preston Bryan, Jr., Pre-med., 1,	Raleigh.
Rogers, Athol Rayphord, Arts, 1,	Rose Hill.
Rogers, Ludlow Thomas, Arts, 2,	Durham.
Rollins, Eugene Marvin, Jr., Sci. I, 3,	Henderson.
Rollins, Vance Benton, Sci. I, 2,	Henderson.
Rose, George Anderson, Jr., Comm., 2,	Henderson.
Rose, James William, Pre-med., 2,	Bentonville.
Rose, Thurman Hubert, Arts, 1,	Bentonville.
Roseman, Milo Absolom Jackson, Jr., M, 2,	Salisbury.
Rosenberger, Raymond Joyce, Sci. III, 2,	Asheville.
Ross, Donald Price, Pre-med., 2,	Salisbury.
Ross, Henry Clay, P, 1,	Badin.
Ross, Harold Lacey, Sci. II, 4,	Greensboro.
Ross, John D., Comm., 1,	Waterbury, Conn.
Ross, Thomas Wallace, Pre-med., 2,	Salisbury.
Rothrock, Max Vernon, Comm., 2,	Thomasville.
Rountree, Julian Hertel, Comm., 2,	Sunbury.
Rourk, Malcolm Henderson, Sci. IV, 2,	Shallott.
Rouse, Owen Henry, Arts-Laws, 1,	Rose Hill.
Routh, Alton Paul, Arts, 1,	Franklinville.
Routh, Lawrence William, Arts, 1,	Greensboro.
Rowe, Oliver Reagan, Sci. II, 2,	Charlotte.
Rowland, Clifford Carlisle, Arts, 2,	Dunn.
Rowland, Walter Thomas, Jr., Comm., 2,	Asheville.
Ruffin, Henry Gray, Comm., 2,	Louisburg.
Rush, George Washington Carr, P, 2,	Biscoe.
Rushton, Reginald Harper, Comm., 1,	Raleigh.
Russell, William Marler, Pre-med., 2,	Asheville.
Rutherford, Paris Milton, Jr., Sci., II, 2,	Rutherford College.
Sams, John Robert, Arts, 2,	Kinston.

- Sample, John Harris, L, 1,
Sanders, Carrilea, P.W., Spec.,
Sanders, Cleon Walton, Pre-med., 1,
Sandifer, John Moore, Comm., 1,
Sanford, William Durwood, P, 1,
Sapp, Armistead Wright, Arts, 2,
Sasser, Kirby Cleveland, M, 2,
Satsisky, Harry Louis, Arts, 1,
Saunders, Joseph Maryon, Arts, 2,
Saunders, William Marion, Arts, 2,
Sawyer, Banner Dupree, L, 1,
Sawyer, Charles Judson, Jr., Spec. 3,
Sawyer, James Purefoy, Arts, 1,
Scarboro, Dewey Spencer, Pre-med., 1,
Scarboro, John A., P, 1,
Scarborough, Albert Moses, L, 1,
Scarborough, Dawson Emerson, L, 3,
Scarborough, Quincy Jackson, Pre-med., 1,
Scheidt, Edward, Arts 2,
Scheidt, Clarence Davis, Sci. I, 2,
Schwartz, Benjamin, Comm., 3,
Scott, Claude Bernard, Sci. III, 1,
Seroggs, Fleet Hall, P, 1,
Seruggs, William Joseph, M, 2,
Seagle, George Philip, Sci. IV, 1,
Seburn, Raymond Harold, Comm., 1,
Seely, John Day, Arts, 1,
Seri, Cyrus Meredyth, Arts, 1,
Seyffert, Charles King, Comm., 2,
Seyffert, George Francis, Sci. II, 3,
Shackell, Aubrey Earle, Arts, 3,
Shaffer, Samuel Wilson, Arts, 2,
Sharp, Charles Lockwood, Comm., 1,
Sharpe, Avon F., Arts, 2,
Shaw, Eugene Guilford, Spec., 1,
Shepard, Normon Westbrook, Comm., 4,
Shepard, Thomas Harrison, Jr., Sci. II, 3,
Shepherd, James Edward, Arts, 2,
Shepherd, Malcolm Lauchlin, Arts, 3,
Sherlock, William Leslie, Comm., 1,
Sherrill, Robert Howard, Comm., 1,
Sherwood, Michael Mann, Arts, 1,
Shields, Thomas Lemly, Comm., 1,
Shipp, Cameron Bartlett, Arts, 1,
Shirlen, James Ray, Comm., 1,
Shirlen, Roy Lee, Arts, 1,
Hendersonville.
Greenville, Ga.
Four Oaks.
York, S. C.
Beaufort.
Greensboro.
Kenly.
Zebulon.
Durham.
Roanoke Rapids.
Grantsboro.
Windsor.
Windsor.
Mt. Gilead.
Mt. Gilead.
Kinston.
Hoffman.
Fayetteville.
Winston-Salem.
Greensboro.
Charlotte.
Rocky Point.
Canton.
Brevard.
Hendersonville.
Greensboro.
Asheville.
Southern Pines.
Elizabeth City.
Elizabeth City.
Edenton.
Greensboro.
Canton.
Stony Point.
Greensboro.
Wilmington.
Edenton.
Raleigh.
Burlington.
Elizabeth City.
Statesville.
Randleman.
Huntersville.
Hendersonville.
Swannanoa.
Swannanoa.

- Shirley, Ernest Raeford, Comm., 4,
Shore, Carl Isaac, Arts, 1,
Shuford, Lloyd Durham, P, 1,
Shuford, William Talmage, Arts, 3,
Siewers, Charles Nathaniel, Arts, 3,
Sigmon, Thomas Wayne, Arts, 1,
Simmons, James Gordon, Sci. I, 1,
Simons, Claude Ernest, Sci. IV, 1,
Simpson, Robert Jones, Jr., Comm., 2,
Sims, Henry Alexander, Pre-med., 1,
Sinclair, David Cunningham, L, 2,
Sinclair, William Taylor, Arts, 1,
Singleton, George Dewey, L, 1,
Sink, Vergil Rex, Sci. IV, 2,
Slade, Colie Vernon, Pre-med., 1,
Slade, James Jeremiah, Jr., Sci. III, Spec.,
Sluder, Clarence Talmadge, Sci. II, 2,
Smart, Maurice, Sci. II, 1,
Smith, Allen Kendrick, Arts, 1,
Smith, Anslie Lester, Comm., 2,
Smith, Cecil Cline, Arts, 4,
Smith, Claude Ervin, Arts, 2,
Smith, Charles Fitzhugh, Sci. II, 2,
Smith, Calvin Upshur, Sci. II, 4,
Smith, Clater Webb, Comm., 2,
Smith, David Allan, P, 1,
Smith, Dorsey Dewey, Arts, 2,
Smith, Edwin Bretney, Arts, 3,
Smith, Elbert Herbert, L, 1,
Smith, Frank Stacy, Jr., Arts, 1,
Smith, Harry Bryant, M, 1,
Smith, Herman Harrison, Pre-med., 1,
Smith, Irving Lee, Comm., 1,
Smith, John Elba, Arts, 3,
Smith, Kenneth Blue, Arts, 1,
Smith, Lee Thomas, Sci. II, 1,
Smith, Marvin Byron, Sci. II, 1,
Smith, Mattie Elizabeth, P, 2,
Smith, Mortimer Frank, Arts, 1,
Smith, Nathaniel McNair, L, 1,
Smith, Olin Brown, Comm., 1,
Smith, Paul, Pre-med., 3,
Smith, Paul Jennings, Arts, 2,
Smith, Percy Lloyd, L, 1,
Smith, Robert Lee, Comm., 1,
Smith, Robert Moir, Arts, 1,
Snow Hill.
Yadkinville.
Lenoir.
Spencer.
Winston-Salem.
Morganton.
Asheville.
Colerain.
Asheville.
Waxhaw.
Wilmington.
Wakulla.
Red Springs.
Winston-Salem.
Merritt.
Uruapan, Mexico.
Asheville.
Bostic.
La Grange.
Westfield.
Dunn.
Greensboro.
Mount Airy.
Capron, Va.
Wilmington.
Enfield.
Hamlet.
Asheville.
Asheville.
Asheville.
Fremont.
Reidsville.
Robersonville.
Pilot Mountain.
Red Springs.
Reidsville.
Burlington.
Marshville.
Faison.
Raeford.
Rockingham.
Pikeville.
Asheville.
Willow Springs.
Farmville.
Mount Airy.

- Smith, Sidney Silas, M, 2,
 Smith, Thomas Julian, M, 1,
 Smith, William Edward, Sci. III, 1,
 Smith, William Gordon, Sci. IV, 3,
 Smith, William Leonidas, M, 1,
 Smith, William Wise, Comm., 2,
 Smithson, Charles Franklin, Jr., Arts, 1,
 Soler, Maximo Gomez, Pre-med., 1,
 Soler y Estavan, Urbano, P, 1,
 Solomon, Abram Shirer, Comm., 2,
 Somers, James Jack, Comm., 1,
 Somers, William Fletcher, Comm., 3,
 Southerland, Ben Witherington, Jr., Comm., 1,
 Sowell, Sam, P, 2,
 Sowers, Roscoe Wilmont, Comm., 1,
 Spain, Jack Holland, Arts, 4,
 Sparrow, George Antrim, Spec., 2,
 Spaugh, Frederick Miller, Sci. II, 3,
 Spaugh, Ralph Edward, Comm., 4,
 Spencer, Charlie Edward, Arts, 3,
 Spiers, William Kesler, Arts, 1,
 Stadiem, Moses Lyon, Comm., 1,
 Stafford, Emory Junius, Jr., Comm., 1,
 Stainback, Allen Nathaniel, Pre-Law, 1,
 Stainback, Raymond Franklin, Sci. II, 2,
 Stanfield, Carl Lee, Sci. II, 1,
 Stanton, Albert Myles, Pre-med., 1,
 Stanton, John Colfax, Comm., 3,
 Starling, Homer Cortez, Comm., 2,
 Staton, Hilliard Vincent, M, 1,
 Staton, Leon Raphael, Arts, 2,
 Stauber, Leslie Edwin, Arts, 3,
 Steele, Clough Sims, Jr., Comm., 1,
 Steele, Wyeth Calvin, Jr., Arts, 2,
 Stein, Irvin, Arts, 1,
 Stenhouse, Elizabeth, Arts, 4,
 Stephens, George, Jr., Arts, 1,
 Stephenson, Charles Henry, Jr., Comm., 3,
 Stephenson, Paul Dwight, Arts, 2,
 Sternberg, Joseph, Comm., 1,
 Stevens, Herman Maurice, L, Spec.,
 Stillwell, Harry Clifford, M, 2,
 Stith, Laurence Augustine, Arts, 1,
 Stone, Elvin Bernice, Arts, 1,
 Stone, James Haywood, Comm., Spec.,
 Stone, Marvin Lee, M, 2,
 Fremont.
 Davidson.
 Scotland Neck.
 Faison.
 Greensboro.
 Raleigh.
 Rocky Mount.
 Santiago, Cuba.
 Santiago, Cuba.
 Wilmington.
 Salisbury.
 Salisbury.
 Mount Olive.
 Camden, S. C.
 High Point.
 Greenville.
 Chapel Hill.
 Winston-Salem.
 Winston-Salem.
 Rosemary.
 Rocky Mount.
 Kinston.
 Greensboro.
 Greensboro.
 Red Oak.
 Browns Summit.
 Greensboro.
 Stantonsburg.
 Roseboro.
 Hendersonville.
 Hendersonville.
 Rural Hall.
 Charlotte.
 Mount Olive.
 Fayetteville.
 Greenville, S. C.
 Asheville.
 Raleigh.
 Garysburg.
 Asheville.
 Leicester.
 Webster.
 New Bern.
 High Point.
 Greensboro.
 Kittrell.

Story, Joseph Reynolds, M, 1,	Marion.
Stoudemire, Sterling Aubrey, Arts, 4,	Spencer.
Stout, Chalmers Otis, Comm., 2,	Siler City.
Stout, George Richard, Sci. I, 4,	Julian.
Stout, Ira Benton, Sci. II, 2,	Siler City.
Strange, Troy Lee, Comm., 1,	Erlanger.
Street, Thomas Horace, Arts, 1,	Roxboro.
Stribling, Jesse Hawkins, Arts, 2,	Atlanta, Ga.
Stribling, John William, Arts, 4,	Atlanta, Ga.
Strong, John Moore, Arts, 1,	Raleigh.
Strother, Slaton Stallings, Arts, 2,	Stantonsburg.
Stroud, Charles Edward, L, 2,	Greensboro.
Stroud, Junius Brutus, Jr., Comm., 2,	Greensboro.
Stroup, Christopher Rush, Sci. II, 4,	Altamont.
Stroup, Thomas Bradley, Arts, 1,	Hendersonville.
Strowd, Annie, Arts, 4,	Chapel Hill.
Stryker, Wendell Miles, Sci. II, 1,	Winston-Salem.
Stuart, George Shamburger, Sci. II, 3,	Troy.
Sugg, Robert Russel, Sci. I, 2,	Southern Pines.
Suggs, William Derwood, Sci. IV, 1,	Kinston.
Summerville, Alexander Cornelius, Arts, 2,	Charlotte.
Summer, Howard Leon, M, 1,	Asheville.
Sutton, Walter Lee, Sci. III, 1,	Burlington.
Swain, Julian Haywood, Arts, 2,	Jerry.
Swain, William Alexander, Jr., Comm., 1,	Asheville.
Swaney, Charles Arthur, P, 1,	Randleman.
Swink, Hearne, Comm., 4,	China Grove.
Sykes, Glenn Turner, Comm., 3,	Efland.
Sykes, Joe Verle, Pre-med., 1,	Elizabeth City.
Symmes, Charlton Emory, L, 2,	Wilmington.
Tallent, Claude Lee, Arts, 1,	Franklin.
Tate, Samuel Edwin, Jr., Arts, 1,	Mebane.
Tatham, Chase Harold, Comm., 1,	Andrews.
Taylor, Charles Collins, Jr., Spec., 1,	Greensboro.
Taylor, Gerald Hall, Pre-med., 1,	Charlotte.
Taylor, Hariotte Cole, Arts, 1,	Chapel Hill.
Taylor, Leon Bayard, Comm., 3,	Pikeville.
Taylor, Romie Everett, Arts, 1,	Siloam.
Taylor, Rives William, M, 1,	Oxford.
Taylor, Walter John, Arts-Educ., 3,	Rutherfordton.
Teachey, Joseph Daniel, Arts, 1,	Rose Hill.
Teague, Sherrill Burette, Arts, 2,	Statesville.
Teem, Clarence Adam, Arts, 1,	Crossnore.
Temple, Herbert Dillard, P, 1,	Kinston.
Temple, Joseph Alton, Pre-med., 2,	Selma.
Tenney, Edwin Wright, Spec., 3,	Chapel Hill.

- Terrell, Grady Osborne, Comm., 1,
 Terry, Charlie Gibbons, Sci. III, 1,
 Tevepaugh, Thomas Calvin, Comm., 2,
 Thach, Harry Smith, Arts, 2,
 Thackston, Julius Reid, Comm., 1,
 Thames, William Luther, Jr., Sci. III, 1,
 Thomas, Charles Walter, Jr., Comm., 1,
 Thomas, Finly Kimes, Sci. V, 1,
 Thomas, Helen Anne, Arts, 2,
 Thomas, Owen Guion, Arts, 2,
 Thomas, Scott McDonald, Spec., 2,
 Thomas, Thomas Kent, Sci. I, 4,
 Thompson, Ada Estelle, Arts, Spec.,
 Thompson, Ernest Haynes, Arts, 4,
 Thompson, Henry Lee, Comm., 1,
 Thompson, Henry Travis, Arts, 1,
 Thompson, John Wilkinson, Comm., 1,
 Thompson, Lloyd Goodwin, Pre-med., 2,
 Thompson, Mary Elizabeth, Arts, 3,
 Thompson, Mat Lee, Spec., 1,
 Thompson, Paul Herman, P, 2,
 Thompson, Paul McKinley, Arts, 2,
 Thompson, Russell Aubrey, Sci. II, 4,
 Thompson, Sue Byrd, Arts, 3,
 Thompson, Tallie Harold, Arts, 2,
 Thompson, Winbourne, Sci. II, 3,
 Thorpe, Alexander Proudfit, Jr., Comm., 2,
 Thorpe, Richard Young, Comm., 2,
 Thrasher, James Marcus, Comm., 1,
 Tice, Walter Thomas, Pre-med., 2,
 Tilley, Clifford Hawkins, Sci. III, 1,
 Tilley, John Everett, P, 2,
 Tillman, Vernon Campbell, Comm., 1,
 Timberlake, Julius Poindexter, Comm., 3,
 Toms, William Francis, Comm., 4,
 Townsend, Folger Lafayette, L, 1,
 A.B., 1920.
 Toy, Jame Bingham, Arts, 4,
 Transou, Paul, Sci. III, 1,
 Trask, Christian Heide, Comm., Spec.,
 Triplette, Ned Bogle, Sci. V, 1,
 Tripp, Guy Oscar, P, 2,
 Trotter, Haywood Greene, Pre-med., 1,
 Trotter, John Paul, L, 2,
 Troutman, Dewey Adam, Comm., Spec.,
 Troutman, Ervin Doyle, Comm., 1,
 Tucker, John Archibald, Arts, 2,
 Charlotte.
 Rockingham.
 Charlotte.
 Chapel Hill.
 Shelby.
 Parkton.
 Beaufort.
 Burlington.
 Chapel Hill.
 New Bern.
 Rockingham.
 Lenoir.
 Hillsboro.
 Goldsboro.
 Aurora.
 Stantonsburg.
 Goldsboro.
 Fayetteville.
 Chapel Hill.
 Aurora.
 Fairmont.
 Chapel Hill.
 Wilson.
 Norfolk, Va.
 Lincolnton.
 Winston-Salem.
 Rocky Mount.
 Rocky Mount.
 Stoneville.
 Wadesboro.
 Bahama.
 Granite Falls.
 Lake Wales, Fla.
 Louisburg.
 Arden.
 Chapel Hill.
 Chapel Hill.
 Greensboro.
 Wilmington.
 Lenoir.
 Ayden.
 Franklin.
 Charlotte.
 Gold Hill.
 Concord.
 Milton.

Tucker, John Christian, Pre-med., 1,	Harrisburg.
Tucker, William Arnold, M, 2,	Laurel Springs.
Turlington, Oscar Eli, Comm., 1,	Fremont.
Turlington, William Troy, Arts, 2,	Fremont.
Turner, Cecil Arline, Comm., 2,	Parmele.
Turner, Marvin, Lee, Arts, 3,	Shelby.
Turner, Thomas, Jr., Arts, 4,	High Point.
Turrentine, Kilby Pairo, Arts, 1,	Kinston.
Turrentine, Pearle Nancy, Arts, 2,	Blackwood.
Tuttle, Ralph Jones, Comm., 2,	Walnut Cove.
Tyson, Henry Graham, Sci. II, 1,	Wilson.
Tyson, Thomas Burwell, Arts, 3,	Carthage.
Tyson, William Sherrod, Comm., 3,	Greenville.
Umstead, Euell Lyon, Arts, 1,	Stem.
Umstead, Raymond Puckett, Pre-med., 1,	Stem.
Underwood, Alvin Duke, M, 1,	Bailey.
Underwood, William Emmett Kyle, Arts, 1,	Fayetteville.
Upchurch, Baxter Jesse, Comm., 1,	Apex.
Upchurch, Frank Cleo, Arts, 1,	New Hill.
Upchurch, Roy Wakefield, M, 2,	Oxford.
Uzzell, Lula Valeria, Arts, 4,	Chapel Hill.
Uzzell, Pauline, Arts, 4,	Chapel Hill.
Uzzell, Winfield Chadwick, Arts, 1,	New Bern.
Van Landingham, Ralph, Jr., L, 1,	Charlotte.
A.B., 1922.	
Vanstory, Cornelius Monroe, Jr., L, 1,	Greensboro.
Vaught, William Bayless, Jr., Arts, 1,	Greensboro.
Veasey, Wesley Floyd, Arts, 2,	Stem.
Venable, Frances Preston, Arts, 3,	Chapel Hill.
Venters, Christopher Harry, Arts, Spec.,	Richlands.
Venters, Carl Vernon, Arts, 1,	Richlands.
Venters, Leon Stephens, Arts, 4,	Richlands.
Vest, Samuel Elton, Arts, 1,	Leaksville.
Vick, John Wainwright, Arts, 2,	Rosemary.
Vincent, Joseph Murray, Arts, 1,	Mebane.
Voorhees, Walter Clark, Arts, 4,	Greensboro.
Waddill, William Baxter, Comm., 3,	Henderson.
Wade, Julius Jennings, Arts, 3,	Dunn.
Wahmann, Joseph Bidgood, Pre-med., 1,	Rocky Mount.
Waldhurst, Frank, Sci. II, 2,	Wilmington.
Walker, Herman Andrew, Comm., 2,	Morganton.
Walker, Mabel Duella, Arts, 4,	Graham.
Wall, Addison Aldridge, Arts, 1,	Sophia.
Wall, James Marshall, Arts, 1,	Wadesboro.
Wall, Thomas Diggs, Comm., 2,	Pee Dee.
Wallace, Arthur Clegg, P, 1,	Star.
Wallace, Julian Howard, Arts, Spec.,	Hartsville, S. C.

- Walser, Arnold Douglas, Arts, 2,
 Wandeck, William Roy, Pre-med., 1,
 Ward, David Livingston, Jr., Arts, 3,
 Ward, Milton, Comm., 2,
 Ward, Waits Artemus, P, 1,
 Ware, James Hunter, Pre-med., 2,
 Warren, George Francis, Comm., 1,
 Warren, Lorenzo Blake, Pre-med., 1,
 Warren, Richard Patrick, Comm., 2,
 Washburn, Edwin Nollie, Jr., Pre-med., 1,
 Waters, Daniel Hinson, Comm., 1,
 Waters, Jay Shirley, Arts, 2,
 Waters, Zack James, P, 1, Pre-med., 1,
 Watkins, Joe Henry, Sci. V, 1,
 Watkins, Robert Hadley, Comm., Spec.,
 Watkins, Straughn Henly, Comm., 2,
 Watrous, Harry James, Jr., Comm., 2,
 Watson, James Albert, Comm., 2,
 Watson, Robert Alfred, Arts, 4,
 Watt, Lawrence Eugene, Arts, 1,
 Watts, Wesley C., L, 1,
 Way, William, Jr., Arts, 1,
 Weaver, Harold Johnson, M, 2,
 Weaver, Robert Sessoms, Sci. V, 3,
 Webb, James, Comm., 1,
 Webb, James Richard, Comm., 1,
 Webb, Paul, Jr., P, 1,
 Webb, William Gordon, Comm., 1,
 Weeks, William Gordon, Comm., 1,
 Weihe, Herman Delius, Sci. I, 1,
 Weil, Abram, Arts, 3,
 Weinstein, Israel Erwin, Comm., 1,
 Welborn, Allen Burton, Arts, 1,
 Welborn, Ray Clark, Arts-Laws, 2,
 Welch, Jules, Arts, 2,
 Welch, James Overman, Comm., 2,
 Wellons, Herman, Arts, 1,
 Wells, Ethan May, Sci. IV, 1,
 Wells, Thomas Daniel, Sci. II, 2,
 Wessells, Neil Etchison, P, 1,
 West, Charles Slade, Comm., 1,
 West, Jasper Daniels, Sci. IV, 3,
 West, Maynard Dennis, P, 1,
 West, Wilber Latham, P, 1,
 Westbrook, Almond Percy, P, 2,
 Westbrook, Earl McDaniel, Arts, 1,
 Salisbury.
 Raleigh.
 New Bern.
 Wilson.
 Spencer.
 Mount Holly.
 Snow Hill.
 Clinton.
 Snow Hill.
 Bostic.
 Raeford.
 Mooresville.
 Moyock.
 Volney, S. C.
 Wadeville.
 Henderson.
 Tampa, Fla.
 Rocky Mount.
 Atmore, Ala.
 Reidsville.
 St. Pauls.
 Charleston, S. C.
 Olin.
 Rich Square.
 Hillsboro.
 Chapel Hill.
 Shelby.
 Morehead City.
 Rocky Mount.
 Washington, D. C.
 Goldsboro.
 Lumberton.
 High Point.
 High Point.
 Waynesville.
 Hertford.
 Selma.
 Teachey.
 Battleboro.
 Washington, D. C.
 Marianna, Fla.
 Kinston.
 Moyock.
 Roseboro.
 Dunn.
 Dunn.

Wetmore, Lemuel Lee, Comm., 1,	Lincolnton.
Whedbee, Silas Martin, L, 1,	Hertford.
A.B., 1922.	
Whedbee, Will Lipscomb, Arts, 2,	Greenville.
Wheeler, Henry James, Arts, 2,	Chapel Hill.
Wheeler, William Couch, Comm., 3,	Chapel Hill.
Whichard, Rogers Dey, Arts, 2,	Norfolk, Va.
Whitaker, Frank Harrell, Comm., 2,	Elkin.
Whitaker, Frank Ogburn, Arts, 1,	Oak Ridge.
Whitaker, Harry Foote, Sci. II, 3,	Philadelphia, Pa.
Whitaker, Reginald Lyon, Arts, 2,	Oak Ridge.
White, Geitner Chamblee, Pre-med., 2,	Mebane.
White, Henry Walton, Arts, 1,	Tyner.
White, Jarrette Andrew, Comm., 3,	Whitakers.
White, James Franklin, Comm., 3,	Oxford.
White, James Hannis, Jr., Arts, 2,	Windsor.
White, William Dabney, Arts, 3,	Beaufort.
White, William Edgar, Jr., Comm., 3,	Louisburg.
White William Elliott, Arts-Educ., 3,	Shelby.
Whitehead, Charles Raymond, P, 1,	Ramseur.
Whitehead, William Cozart, Pre-med., 1,	Rocky Mount.
Whitener, Thomas Manly, Arts, 1,	Hickory.
Whitley, Elbert Lee, Sci. IV, 2,	Albemarle.
Whitmire, Homer Edward, P, 2,	Cherryfield.
Whittington, Claude T., Spec., 1,	Greensboro.
Whittington, Elmer Glenn, Spec., 1,	Greensboro.
Widenhouse, Martin Aubrey, M, 2,	Concord.
Wiggins, Richard Conyers, Comm., 1,	Wendell.
Wilcox, Theodore North, Arts, 2,	Asheville.
Wilkins, Robert Alfred, Pre-med., 1,	Rose Hill.
Willard, Edward Payson, Jr., Arts, 4,	Wilmington.
Willecox, Edgar Lloyd, Arts, 2,	Florence, S. C.
Willecox, Hugh LaBarbe, Arts, 1,	Florence, S. C.
Williams, Bryan Brimes, Comm., 2,	Raleigh.
Williams, Bert T., P, Spec.,	Mount Gilead.
Williams, Colon Edgar, Comm., 3,	Benson.
Williams, Duvall McClellan, Pre-med., 1,	Wilmington.
Williams, Hugh Irvin, Comm., 1,	Biscoe.
Williams, John Laner, Comm., 1,	Charlotte.
Williams, Lloyd Preston, Comm., 3,	Pee Dee.
Williams, Thomas Abel, Arts, 1,	Wentworth.
Williams, Thomas Read, P, 1,	Morristown, Tenn.
Williams, Winslow Edward, Comm., 1,	Carrboro.
Williamson, Benjamin Franklin, Jr., Comm.,	
Spec.,	Darlington, S. C.
Williamson, Benjamin Napier, Jr., Comm., 2,	Louisburg.
Williamson, Ertle Fisher, Pre-med., 1,	Polkton.

Williamson, Robert Stewart, Comm., 1,	Greensboro.
Williford, Charles Marvin, Arts, 1,	Hertford.
Willis, Arthur Rexford, Comm., 2,	New Bern.
Willis, Giles, Arts, 1,	Morehead City.
Wilson, Joseph Von, L, 2,	Lumberton.
Wilson, Marvin Pickard, Arts, 1,	Chapel Hill.
Wilson, Ullman, Pre-med., 1,	Lancaster, S. C.
Wimberley, Perry Lee, Comm., 1,	Chapel Hill.
Wimberley, Robert Diggs, Comm., 2,	Rocky Mount.
Winders, Gilbert Lester, Comm., Spec.,	Durham.
Winn, Lily, Arts, 3,	Mebane.
Winslow, Joseph Samuel, Comm., 1,	Elizabeth City.
Winslow, Walter Frith, Comm., 2,	Hertford.
Winston, Patrick Henry, Pre-med., 2,	Virgilina, Va.
Wolfe, Nathan Carl, Arts, 1,	Mount Olive.
Womack, Anderson William, Arts, 3,	Rutherfordton.
Womble, David Jackson, P, 2,	Cary.
Wood, Frank, Jr., Pre-med., 2,	Edenton.
Wood, George Thomas, Jr., Pre-med., Spec.,	High Point.
Woodard, David Warren, Arts, 1,	Wilson.
Woodard, James Edwin, Arts, 2,	Wilson.
Woodard, Robert Leslie, Arts, 2,	Pamlico.
Woodard, Thomas Hadley, Arts, 3,	Wilson.
Woodhouse, William Bradley, Comm., 2,	Poplar Branch.
Woodside, Joseph Owen, Comm., 2,	Charlotte.
Woodson, Harry Skinner, L, Spec.,	Shelby.
Woodson, Walter Henderson, Jr., Arts, 1,	Salisbury.
Woodward, Jake Garrett, M, 2,	Erwin, Tenn.
A.B., 1920.	
Wooten, Hugh Hill, Arts, 1,	Statesville.
Workman, Frank Leslie, Sci. I, 2,	Burlington.
Worsham, Blackburn Buford, L, 1,	Reithbend, Va.
Wortman, William Emerson, Sci., II, 1,	Gastonia.
Wrenn, Linwood Marshall, Arts, 1,	McCullers.
Wrenn, Simeon Mayo, P, 2,	Garner.
Wright, Broadus Bryan, Arts, 1,	Shelby.
Wright, Harold Marshall, Sci. II, 1,	Augusta, Ga.
Wright, John Bryan, Jr., Arts, 1,	Raleigh.
Wright, Robert Herring, Jr., Arts, 1,	Greenville.
Wright, Thomas Bernard, L, 2,	Greensboro.
Wynne, George Bennett, Sci. III, 3,	Greensboro.
Yarborough, Charles Hill, Arts, 2,	Louisburg.
Yates, Frank Ogburn, Arts, 2,	Monroe.
Yates, Jesse Graves, Comm., 4,	Asheville.
Yelverton, Robert Lee, Comm., 1,	Fremont.
Young, Malcolm McInnis, Arts, 1,	Durham.
Young, Marvin Pleasant, Arts, 4,	Spencer.
Young, Victor Vernon, Arts, 4,	Durham.

Youngblood, Norman Edgar, Jr., Comm., 3,	Fayetteville.
Youngblood, Samuel Herbert, Comm., 3,	Charlotte.
Yui, Tsz-lien, P.W., Spec.,	Shanghai, China.
Zealy, Albert Hazel, Arts, 1,	Goldsboro.
Zollicoffer, John Hilliard, Arts, 3,	Henderson.

STUDENTS IN LAW (SUMMER, 1922)

Allen, William Marion,	Elkin.
Braswell, Marion Astor,	Whitakers.
A.B., Trinity College, 1920.	
Cummings, Alfred Ben,	Oak Ridge.
A.B., 1915.	
Downing, Dennis Garland,	Fayetteville.
Ervin, Joseph Wilson,	Morganton.
A.B., 1921.	
Hawkins, Thomas Williams, Jr.,	Charlotte.
A.B., Davidson College, 1920.	
Herman, Preston Winfield,	Conover.
Hill, Barrington Taylor,	Wadesboro.
Jenkins, Kelly,	Roanoke Rapids.
Kiser, Roger Clinton,	King.
Kittrell, Thomas Skinner,	Henderson.
A.B., 1920.	
Llewellyn, Henry Harrison,	Mount Airy.
Liipfert, Francis Julius, Jr.,	Winston-Salem.
A.B., 1920.	
Loftin, M. B.,	Mount Olive.
McCall, Fred Bays,	Charlotte.
A.B., 1915.	
McLeod, Martin Clifton,	Red Springs.
Moore, Thomas Owen,	New Bern.
A.B., 1921.	
Morrow, Helen A.,	Graham.
Moseley, Robert Franklin,	Tarboro.
A.B., 1919.	
Moser, W. E.	Randleman.
Nance, Henry Leslie,	Winston-Salem.
Overton, Richard Buxton,	Nashville.
Perry, Daniel Wolfe,	Rocky Mount.
Pruitt, Annie Beckwith,	Franklinton.
A.M., 1921.	
Rendleman, John Luther, Jr.,	Salisbury.
Rucker, Richmond,	Winston-Salem.
Shaw, Eugene Guilford,	Greensboro.
Small, John Humphrey, Jr.,	Washington.
Spruill, Frank Shepherd, Jr.,	Rocky Mount.
Stokes, Thomas Dodds,	Reidsville.
A.B., 1918.	
Thorp, Isaac Davenport,	Rocky Mount.

SUMMER SCHOOL STUDENTS, 1922

UNDERGRADUATE STUDENTS

Abernethy, William Borden,	Chapel Hill.
*Alexander, James Ramsay,	Charlotte.
Allen, Carlos Matthews,	Tar Heel.
Ambler, John Vernon,	Asheville.
Andrew, Lucille Hargrave,	Lexington.
Andrews, Elva Dare,	Chapel Hill.
Angel, Clarence Cooper,	Bryson City.
Armfield, Rachael Anne,	Monroe.
Arnold, Della,	Hamptonville.
Arnold, Mamie,	Cameron.
Atwater, John Wilson,	Burlington.
*Ausband, George Alonzo,	High Point.
Austin, Meak Ervin,	Monroe.
Baldwin, Carolyn Walker,	Durham.
Baldwin, Gaston Carr,	Hoffman.
Bardin, Mrs. Susan Ann,	Chadbourn.
Barefoot, Nathan Carl,	Benson.
Barnes, James Thomas,	Wilson.
Barnes, Lawson Paul,	Florence, S. C.
Barrier, Clyde Monroe,	Concord.
Bason, William Jennings,	Swepsonville.
Battershill, Winsome Boyd,	Virgilina, Va.
Baum, Alton Emmitt,	Fairfield.
Benham, Mrs. Ethel Hand,	Camp Bragg.
Bennett, Agnes,	Wadesboro.
Bennett, Vera Evangeline,	Grantsboro.
Berry, William Cautus,	Murphy.
Black, Albert Reed,	Mt. Holly.
Black, Louise,	Fayetteville.
Blakeney, Louise,	Monroe.
Blanton, William Hackett, Jr.,	Shelby.
Boddie, William Croon,	Nashville.
Boettcher, Otto Heath,	Elizabeth City.
Boney, Mrs. Inez Crump,	Rose Hill.
Boney, Paisley, Jr.,	Goldsboro.
Boose, Grace Ella,	Winston-Salem.
Booth, Hubert Edwin,	Catawba.
Bowen, Hilary Thomas,	Wilson.
Bowles, Garvin,	Winchester, Va.

* Students so marked were registered in Engineering School and took no Summer School courses.

*Bowman, Ernest Franklin,
Boyd, John Dallas,
Boyette, Eunice Langdon,
Bradley, James Albert,
Bradsher, Eugenia,
Brandon, Henry Allen,
Branson, Elizabeth Lanier,
Bridgers, Olivia Lois,
Brinkley, Elizabeth Eva,
Brinson, Lloyd Thompson,
Britt, Reddin,
Britton, Ruth Shaw,
Brody, Louis Jules,
Brogden, Mildred Cora,
Brooks, Mabel Brownrigg,
Brown, Jessamine Carroll,
*Brown, Leland Preston,
Brown, Roy Eugene,
Brown, William Lee,
Bryant, Lillian Pauline,
Bryant, Virginia,
Buchanan, Wallace Robert,
Buck, Hieronymus,
Bullock, Annie Boyd,
Bullock, Ida L.,
Busbee, Simons Clarkson,
Butler, Daniel Cilfton,
*Butt, William Harold,
Byrd, Jessie Lucille,
*Carpenter, Robert Edgar,
Carroll, Bascom Ray,
Carroll, James Robinson,
Carter, Cleon Moore,
Cashatt, Cyrus Everett,
Catheart, John Harris,
Chadwick, Neva Belle,
Chamberlain, Joseph Red,
Champion, Hubert Otis,
Chandler, Bessie Leeland,
Chaney, John Francis,
Chappell, Harry Vaughn,
Chappell, Sidney Graham,
*Chase, Arthur Sloan,
Cheek, Lemuel Roberson,
Clark, Azile,
Clark, Josephine,
Clark, William Alexander,

Newton.
Fayetteville.
Chadbourn.
Florence, S. C.
Durham.
Yadkinville.
Chapel Hill.
Potecasi.
Colerain.
New Bern.
Lumberton.
Colerain.
New Haven, Conn.
Calypso.
Goldsboro.
Davidson.
Niantie, Conn.
Statesville.
Guilford College.
Wallace.
Wallace.
Spear.
East Spencer.
Bullock.
Rocky Mount.
Raleigh.
Rowland.
Bonnerton.
Morganton.
Cliffside.
Ranger.
Middleburg.
Louisville, Ky.
Jamestown.
Winnsboro, S. C.
Beaufort.
Raleigh.
Mooresboro.
Southern Pines.
Chester, S. C.
Belvidere.
Belvidere.
Georgetown, Mass.
Hillsboro.
Jackson Springs.
Candor.
Fayetteville.

Coburn, Mrs. Cora M. Hill,
Coffey, Carl Sylvester,
*Coffey, John Nelson,
Coggeshall, Berryman Edwards,
Cole, Roy Enoch,
Coleman, Charles Winstead,
Collins, Addison Boyce,
Collins, Inda Grey,
Combs, Joseph John,
Comer, William Ernest,
Conley, Kate,
Connor, Elizabeth Goodman,
Cooper, Kathleen Marion,
Cornwell, Abner Milton,
Council, Jane Cooper,
Cowan, Cecil Edmund,
Cowan, Sara Louise,
Cox, Ruth Shannon,
Craig, Raymond Lee,
Crater, Rufus Holton,
Crawford, Earl Elsie,
Cross, Martha S. Hunter,
Crowell, Ruth Virginia,
Crump, Rosebud,
Cummings, Amos J.,
Currie, Easdale,
Dancy, Carrye Martha,
Dark, Thomas Jefferson,
Davis, Philip Bibb,
Dean, Capitola,
Dean, Catherine,
Deans, Nell Laurie,
Dearman, Claudius Hursell,
Deaton, Hobart Obil,
DeFord, Cynthia Raie.
DeHart, Horace Maxwell,
Dellinger, Thelma Elizabeth,
Denny, George Vernon,
Deyton, John Wesley,
Dimmick, Graham Bennett,
Donnelly, Grant Lester,
Douglass, Jerome,
Draughon, Edgar S. Whitney,
Dreher, Ethel Alice,
Duke, Frank James,
Duncan, Joseph Lon,
Duncan, Maude Helen,

Washington.
North Wilkesboro.
Raleigh.
Darlington, S. C.
Pittsboro.
Lyons.
Peachland.
Holly Springs.
Columbia.
New Castle.
Morganton.
Wilson.
Rocky Mount.
Lawndale.
Red Springs.
Windsor.
Rutherfordton.
Belmont.
Greenwood, Miss.
Yadkinville.
Willets.
Gatesville.
Concord.
Polkton.
Oak Ridge.
Parkton.
Scottville.
Siler City.
Greensboro.
Leland, Miss.
Leland, Miss.
Colerain.
Turnersburg.
Spies.
Richlands.
Bryson City.
Wilmington.
Chapel Hill.
Green Mountain.
Sanford.
Trade, Tenn.
Chesterfield, S. C.
Fayetteville.
Lexington, S. C.
Pantego.
Mebane.
Horse Shoe.

Duvall, Bess,
Eaker, Charles Lee,
Edmundson, Leland Bernice,
Ellerbe, Mary Frances,
Elliott, Louise,
Ellis, Henri Bruce,
Engstrum, Edgar Francis,
Epstein, Henry George,
Erwin, Charles,
Evans, Jennie Draughon,
Everett, James LeGrand, Jr.,
Faison, Isabel,
Fallon, Margaret Stewart,
Falls, William Frank,
Fanning, Frederick Deveau, Jr.,
Farrell, Henry Darrow,
Ferguson, Elizabeth Margaret,
Ford, Rosa Cloid,
Fordham, Christopher Columbus,
Fort, Theo,
Fortescue, Zachariah Thomas,
*Foushee, John McIver,
Fowlkes, Hunter McGuire,
Franklin, Burnie DeWitt,
Freeman, James Newton,
Fulcher, Manly,
Galimore, George Dewey,
Gambill, Walter James,
Garrison, Mrs. Ethel Hamilton,
Garriss, Mabel Elizabeth,
Gaskins, Theodore Grady,
Gatling, Clarine,
Gattis, Annie,
George, Robert Barnett,
*Giersch, Otto Lumley,
Gilbert, Edith Fleming,
*Gilbert, John Neely,
Gilbert, Lulu Maie,
Gilmore, Mrs. Mary Arnold,
Glass, Helen Chaplin,
Goodman, Fannie Ella,
Gorham, Herbert Jenkins,
Gramling, Aileen Ethel,
Grant, Percy Granville,
Gray, Florence,
Griffin, Floyd Sampson,
Griffin, Josiah Harold,

Grassy Creek.
Cherryville.
Goldsboro.
Roberdel.
Catawba.
Winston-Salem.
Chapel Hill.
Goldsboro.
Cliffside.
Fayetteville.
Rockingham.
Rocky Mount.
Rich Square.
Salisbury.
Durham.
Parkton.
Siler City.
Seaboard.
Greensboro.
Dublin, Ga.
Seranton.
Greensboro.
Rockingham.
Pyatte.
Dobson.
Atlantic.
Lexington.
Piney Creek.
Unionville.
Conway.
Bridgeton.
Gates.
Chapel Hill.
East Palestine, Ohio.
Raleigh.
Cooleemee.
Statesville.
Clinton.
Sanford.
Savannah, Ga.,
Mt. Ulla.
Tarboro.
Orangeburg, S. C.
Sneads Ferry.
Mebane.
Reidsville.
Wendell.

Griggs, Sara Wall,	Wadesboro.
Grose, Willie Clay,	Loray.
Gunter, Truss Bostick, Jr.,	Sanford.
Hall, Challie Brandon,	Newton.
Hall, Samuel Canada,	Oxford.
Hamilton, John Wallace,	Atlantic.
Hamilton, Mrs. Martha,	Chapel Hill.
Hannah, William Tucker,	Waynesville.
Harding, Franklin Daniel Boone,	Yadkinville.
Harding, William Knowlton,	Charlotte.
Hardy, Rebie C.,	Amelia, Va.
Harmon, John Obie,	Pittsboro.
Harrell, Gladys Jones,	Goldsboro.
Harrell, Mary Harrington,	Bessemer City.
Harrell, Ruth Alene,	Moyock.
Harrelson, Ruth,	Cherryville.
Harris, Grover Ben,	Norlina.
Hart, Reuben Gaither,	Virgilina, Va.
Harwood, Robert Bernard,	Tuscaloosa, Ala.
Hatcher, Mrs. John Thomas,	Calypso.
Hatcher, Rebecca Raeford,	Rose Hill.
Hearne, Moses Killebrew,	Macclesfield.
Hedgecock, Blanche Gladys,	High Point.
Helms, Mayme,	Monroe.
Hennessee, Valentine Broadway,	Chapel Hill.
Henry, Sibyl,	Lenoir.
Herron, Fred Julian,	Skyland.
Hickerson, Elizabeth,	Ronda.
Higginbotham, Vesta Alma,	Albemarle.
Highsmith, Jacob Frank, Jr.,	Fayetteville.
Hill, Vernon Allen,	Polkton.
Hines, Anna Margaret,	Rowland.
Hines, Waitman Riley,	Kinston.
Hodges, Brandon Patton,	Asheville.
Hodges, Kathleen,	Washington.
Holloman, Lewis Jason,	Harrelsville.
Holloway, Elfye Martha,	Durham.
Holmes, Alethia Benbury,	Edenton.
Holshouser, Charles Augustus,	Salisbury.
Hood, Ethel,	Lake Waccamaw.
Horner, Elouise,	Oxford.
Horton, Alexander Telfair,	Raleigh.
Howard, Thomas Simmons,	Pink Hill.
Hunt, Edwin Clyde,	Lexington.
Hunt, George Penn,	Oxford.
Hunt, John Hazel,	Casar.
Hunt, Lucille Elizabeth,	Oxford.

Hunt, William Ernest,	Oxford.
Hunter, Frank Patterson,	Warrenton.
Hunter, Margaret Eugenia,	Raleigh.
Hunter, William Cooper,	Enfield.
Huss, Webb Hunter,	Cherryville.
Hussey, William Wade,	Ashboro.
Ives, Claude Leon,	Grifton.
Jackson, Venie Sherwood,	Cooper.
Jackson, Walter Ira,	Orange.
*Jacocks, Thomas Baker, Jr.,	Tarboro.
Jennings, Frances Wardlaw,	Shelby.
Johnson, Ella,	Thomasville.
Johnston, Latta Reid,	Charlotte.
Johnston, Mary Lee,	Davidson.
Jones, Baxter Columbus,	Bryson City.
Justice, Margaret Curtis,	Chapel Hill.
Justus, Ernest Lee,	Flat Rock.
Keever, James Woodfin,	Hickory.
Keith, Myrtle,	Chapel Hill.
Kemp, Mrs. Mary Owen,	Fayetteville.
Kendall, Benjamin Horton,	Shelby.
Kendall, Leah,	Charlotte.
Killian, Ora Marcella,	Hayesville.
King, Katie Jewell,	Mount Olive.
Kittrell, Oliver Valeria,	Grimesland.
Kohn, Ruth,	Mount Holly.
Koonce, Effie Davis,	Comfort.
Koontz, Rufus Gwyn,	Mocksville.
Lackey, Lillie Susanna,	Fallston.
Lansdell, Nancy Elizabeth,	Semora.
*Lassiter, Leroy Irwin,	Rich Square.
Latta, Hulda Gail,	Oxford.
Lazenby, Edgar Earl,	Chapel Hill.
Lefferts, Aleeze,	Gloucester.
Lemmond, Mamie Pharr,	Monroe.
Lillycrop, William Arthur,	Charlotte.
Lindau, Miriam Charlotte,	Greensboro.
Linker, William Murray, Jr.,	Salisbury.
Livengood, William Samuel,	Oxford.
Llorens, Fernando,	Chapel Hill.
Long, Joseph Kenneth,	Seaboard.
Long, Mary Willie,	Bostic.
Long, Zachary Fillmore,	Rockingham.
Love, Claude Lorraine,	Murphy.
McClain, Rebeckah Sarah,	Rutherfordton.
McCracken, Beatrice Helen,	Fairveiw.
McFadyen, Paul Rutherford, Jr.,	Concord.
Macfarlan, Edward Joyner,	Darlington, S. C.

McIntosh, Mrs. John William,	Columbus.
McIver, Herman Martin, Jr.,	Mebane.
McLean, James Stedman,	Lillington.
McNairy, Charles Banks, Jr.,	Kinston.
McNeely, Carrie Louise,	Lake Toxaway.
McNeill, George Vernon,	Lumberton.
Mackie, Nathan Walser,	Boonville.
Malpass, Bishop Lemley,	Goldsboro.
Mann, Frank Baseom,	Chapel Hill.
Manning, Hattie Catherine,	Catherine Lake.
Marr, Claude Canie,	Bryson City.
Martin, Alvah Hubert,	Conway.
Martin, Norman,	Asheville.
Masemore, Ann Little,	Wadesboro.
Matheson, Martha Caroline,	Bennettsville, S. C.
Matthews, Edith Stevens,	Clinton.
Matthews, William Edwin,	Chapel Hill.
*May, Reginald Cameron,	Lenoir.
Mercer, Dempsey William,	Riddle.
Meredith, Ben Lacy,	New Bern.
Merritt, Chanceie Lee,	Chapel Hill.
Miller, Henry Alexander,	Raleigh.
Mincey, Elry Leva,	Hillsboro.
Mobley, Mrs. Daisy Phillips,	Fountain Inn, S. C.
Mock, Annie Mae,	Advance.
Monroe, Andrew Lee,	Monroe.
Monroe, Grace,	Laurinburg.
Moore, Coyle E.,	Waterloo, S. C.
Moore, Clifton Leonard,	Burgaw.
Moore, Margaret Hooker,	Sylva.
Moose, Edith Key,	Charlotte.
Moose, Nancy Elizabeth,	Rose Hill.
Morgan, Francis Greer,	Burlington.
Morris, George Dillon,	Goldsboro.
Morton, Levi Thomas,	Kellum.
Moser, John William,	Rural Hall.
Moye, Nelle Whitehead,	Farmville.
Nading, May Iva,	Winston-Salem.
Nelson, Charles Ethridge,	Murfreesboro.
Nesbitt, Teasdale Clark,	Chapel Hill.
Norheutt, Daisy Lee,	McFarlan.
O'Kelly, Thomas Washington, Jr.,	Raleigh.
Ogburn, Lundie Calvin,	Raleigh.
Oliver, Mildred Pauline,	Pine Level.
Orr, Albert Summey,	Charlotte.
Overman, William Jackson,	Elizabeth City.
Page, Mrs. Ernest Benjamin,	Chapel Hill.

Page, Kitty,	Morrisville.
Parker, Eliza,	Garner.
Parker, James Curtis,	Chapel Hill.
Patterson, Fred Marion,	Concord.
Patton, Mrs. John Webster,	Elon College.
Pearson, Louise Barton,	North Wilkesboro.
Peay, Anne Camilla,	Chester, S. C.
Peele, Eva Irene,	Williamston.
Peete, Annie,	Greensboro.
Pemberton, Heath Lee,	Concord.
Pendergraft, Pearl,	Chapel Hill.
Perdue, William Clyde,	Henderson.
Perry, Emma Elizabeth,	Dublin, Ga.
Pierce, Ophelia,	Hallsboro.
Pinner, Daisy Katherine,	Canton.
Pless, Edwin Justice,	Marion.
Plint, Bertram Hottenroth,	Winston-Salem.
*Plyler, Dwight,	Monroe.
Powell, Edith,	Smithfield.
Powell, James Ernest,	Bell Buckle, Tenn.
Prescott, Colie Eugene,	Grantsboro.
Prescott, James Carlyle,	Ayden.
Pritchard, Margaret,	Chapel Hill.
Purcell, Clara Mae,	Haw River.
Purser, John Raymond, Jr.,	Charlotte.
Rackley, Grover DeWitt,	Magnolia.
Ranson, Murphy Dale,	Huntersville.
Raper, John Elisha,	Linwood.
Ray, Fred Chamberlain,	Leaksville.
Reavis, Peter Augustus, Jr.,	Louisburg.
Reisner, Charles Franklin, Jr.,	Salisbury.
Rhyne, Sara Camilla,	Newton.
Richardson, Jessie Eugenia,	Dover.
Ricks, Paul Timothy,	Wilson.
Ricks, William Fletcher,	Mount Olive.
Rike, Robert Clayton,	Randleman.
Ring, Marguerite,	Kernersville.
Riser, Yancey VonAllen,	Rural Hall.
Roberts, Elizabeth Cooper,	Gatesville.
Roberts, Gratz Linwood,	Fairfield.
Rogers, Ludlow Thomas,	Durham.
Roughton, Annie Sue Virginia,	Winston-Salem.
Rowan, Florence Keziah,	Cartersville, Ga.
Royall, Marcus,	Salemburg.
Rush, Nona,	High Rock.
Sams, John Robert,	Kinston.
Scarborough, Augusta Mary,	Hoffman.

Scarborough, Dawson Emerson,	Hoffman.
Schenck, Anna Henkel,	Greensboro.
Scholl, James Lester,	Holly Springs.
Scholl, Myrtle Amelia,	Holly Springs.
Schwartz, Benjamin,	Charlotte.
*Seyffert, George Francis,	Elizabeth City.
Shore, Ethel Mae,	Yadkinville.
Sills, Gladys Montgomery,	Winston-Salem.
Sinclair, John Frank,	Rowland.
*Slade, James Jeremiah, Jr.,	Mexico City, Mex.
Sloan, Faye Mary,	Charlotte.
Sloan, John Benson, Jr.,	Ninety-Six, S. C.
Smith, Charles Fitzhugh,	Mount Airy.
Smith, Charles Henry,	Reidsville.
Smith, Fannie Byrd,	Timmonsville, S. C.
Smith, Harry Bryant,	Fremont.
Snider, Albert Monroe,	High Rock.
Sowell, Sam,	Camden, S. C.
*Spaugh, Frederick Miller,	Winston-Salem.
Spaugh, Ralph Edward,	Winston-Salem.
Speight, Ada Belle,	Stantonsburg.
Speight, Mae Christine,	Stantonsburg.
Stalvey, Archie Boyd, Jr.,	Roxboro.
Stanton, Verna,	Clio, S. C.
Stephenson, Charles Henry, Jr.,	Raleigh.
Stephenson, Irving Joseph,	Angier.
Stewart, Charles Davis,	Edenton.
Stroupe, Christopher Rush,	Altamont.
Stroupe, Francis Lee,	Altamont.
Strowd, Annie,	Chapel Hill.
Stuart, George Shamburger,	Troy.
Sung, Kyung Shien,	Thomasville.
Swain, Herbert Lee,	Mackeys.
Swain, Julian Haywood,	Jerry.
Swain, William Whitmel,	Henderson.
Swann, Nellie Pearl,	Rosemary.
Sykes, Grace Lawrence,	Woodland.
Sykes, Luna Myriam,	Hillsboro.
Taylor, Joseph Mitchell,	Chocowinity.
Tenney, Edwin Wright,	Chapel Hill.
Thomas, Alma Florence,	Jonesboro.
Thomas, Scott McDonald,	Rockingham.
Thompson, Mary Elizabeth,	Chapel Hill.
Thompson, Matt Lee,	Aurora.
Thompson, Paul McKinley,	Mebane.
*Thompson, Winbourne,	Winston-Salem.

Tilley, John Everett,	Granite Falls.
Tilson, Joseph Quillin,	Marshall.
Tolbert, Elizabeth Hettie,	Greenwood, S. C.
Totten, William Theophilus,	Yadkin College.
Truesdale, Sarah Elizabeth,	Mount Holly.
Tucker, Francis Marion,	Roper.
Tucker, Harry Zebulon,	Madison.
Turner, Mariaddie,	Statesville.
Turner, Samuel Monroe,	North Wilkesboro.
Turrentine, Pearl Nancy,	Blackwood.
Tuttle, Orion Augustus,	Pineville.
Underwood, Alvin Duke,	Bailey.
Underwood, Varra,	Mount Holly.
Upchurch, Lonnie Milton,	Terra Ceia.
Upchurch, Mrs. Lonnie Milton,	Terra Ceia.
Uzzell, Pauline,	Chapel Hill.
Uzzell, Winfield Chadwick,	New Bern.
Uzzell, Harriet,	Wilsons Mills.
Wade, Julius Jennings,	Dunn.
Walker, Mabel Duella,	Graham.
Walker, Robert Richmond,	Gibson.
Walton, Margaret Ann,	Sunbury.
Ward, Annie Hope,	Bosley.
Warner, David Franklin,	Ellerbe.
Warren, Bryan Pope,	Blounts Creek.
Warren, Hilton Caswell,	Durham.
Watkins, Dorothy Temple,	Durham.
Wearn, Cornelia,	Charlotte.
Weaver, Mary Louise,	Asheville.
Webster, Maude Martha,	Stokesdale.
Welborn, Allen Burton,	High Point.
*West, Jasper Daniel,	Kinston.
Whitaker, Elizabeth Lewis,	Littleton.
Whitaker, Harry Foote,	Philadelphia, Pa.
White, William Edgar, Jr.,	Louisburg.
White, William Elliott,	Shelby.
Whitener, Mrs. Harriet Choate (R.W.),	Newton.
Whitney, Ona Ruth,	Unionville.
Wilkinson, Margaret Virginia,	Laurinburg.
Williams, Mrs. Florence Page,	Mebane.
Williams, Lloyd Preston,	Pee Dee.
Williams, Ray Robinson,	Easley, S. C.
Williamson, Arthur,	Salemberg.
Wilson, Goodridge Alexander,	Oxford.
Wimberley, Marcus McDonald,	Aberdeen.
Winston, Patrick Henry,	Virgilina, Va.

Womack, Anderson William,	Rutherfordton.
Womble, David Jackson,	Cary.
Wood, Frank,	Edenton.
Woodard, James Edwin,	Wilson.
Woodside, Joseph Owen,	Charlotte.
Woodson, Walter Henderson, Jr.,	Salisbury.
Workman, Frank Leslie,	Burlington.
Workman, Sallie Elizabeth,	Cherryville.
Wright, David Ralph,	Hunting Creek.
Wyman, John Frampton,	Aiken, S. C.
*Wynne, George Bennett,	Baltimore, Md.
Yates, Jesse Graves,	Ahseville.
Youngblood, Samuel Herbert, Jr.,	Charlotte.

NORMAL STUDENTS, 1922

Abernethy, Annie Elizabeth,	Mooresville.
Adams, Gladys Robertson,	Four Oaks.
Adams, Margaret Hope,	Davidson.
Albritton, Gay Leighton,	Kinston.
Alderman, Dorothy,	Wagram.
Aldridge Virginia Dee,	Millboro.
Alexander, Jessie Belle,	Matthews.
Allen, Mrs. Louis Carr,	Graham.
Allen, Mary Minerva,	Oxford.
Andrews, Agnes Demarius,	Chapel Hill.
Andrews, Dora Rhett,	Chapel Hill.
Andrews, Lila Dwight,	Chapel Hill.
Andrews, Minnie Blanche,	Rigsbee.
Andrews, Rena Elizabeth,	Durham.
Arrasmith, Caroline,	Hillsboro.
Arrowood, Fred Monroe,	Jamestown.
Ashby, Margaret,	Mount Airy.
Ashe, Flora Houze,	Wadesboro.
Aydlett, Lessie Mae,	Poplar Branch.
Babb, Alice,	Hertford.
Baggette, Essie Marguerite,	Windsor.
Baldwin, Alma,	Cerro Gordo.
Baldwin, Mrs. G. W.,	Wilmington.
Baldwin, Hallie Florence,	Durham.
Ball, Minnie Moning,	Bahama.
Ballard, Bertie Laree,	Brevard.
Banks, Gladys Olivia,	Grantsboro.
Barnette, Lessie Jeter,	Woodsdale.
Barnhardt, Mary Pines,	Norwood.
Barnhill, Sallie Cooper,	Enfield.
Barringer, Lena Mae,	Mount Pleasant.

Barringer, Margie DeLette,
Bartlette, India Taylor,
Bass, Tempie Ricks,
Battle, Elizabeth,
Batts, Mary Alice,
Baecom, Maude Viola,
Baynes, Ethel Irene,
Baysden, Ruth Helen,
Beatty, Janie,
Berry, Cora,
Best, Esther Leone,
Best, Fannie Elizabeth,
Black, Lula Belle,
Blackwell, Lillian Frances,
Blackwell, Sadie Pattie,
Blackwood, Mattie Emeline,
Boddie, Estelle Cornelia,
Boon, Sue McCall,
Booth, Bessie Mae,
Bostie, Adeline,
Bostie, Buena Hamrick,
Boylan, Lucy,
Boyles, Lucy Edna,
Braddy, Kanella Josephine,
Bradham, Caleb Darnall, Jr.,
Bradley, Cornelia Cutchin,
Bradsher, Annie Thompson,
Bradsher, Katherine Jones,
Brandt, Lillian Forsyth,
Brantley, Annie,
Brawley, Lillian Yorke,
Brickhouse, Helen,
Brickhouse, Nina,
Bridges, Maie,
Brittain, Kate,
Broadway, Jessie Leona,
Brockwell, Alice Mae,
Brown, Florence Elizabeth,
Browne, Clara Will,
Bryan, Jean,
Buie, Mary Purcell,
Bullock, Viola,
Bunch, Sarah Susan,
Burch, Margaret Catherine,
Burleson, Hattie,
Burt, Clara Collier,

Mount Pleasant.
South Mills.
Henderson.
Chattanooga, Tenn.
Rocky Mount.
Salisbury.
Wentworth.
Warsaw.
Stanley.
Hurdle Mills.
Warsaw.
Warsaw.
Mount Holly.
Lumberton.
Pine Hall.
University.
Vardaman, Miss.
Wilmington.
Tabor.
Shelby.
Shelby.
Wilmington.
Davidson.
Council.
New Bern.
Whitakers.
Oxford.
Oxford.
Greensboro.
Spring Hope.
Charlotte.
Creswell.
Columbia.
Forest City.
Ashboro.
Durham.
Elizabeth City.
Macclesfield.
Biscoe.
Chapel Hill.
Wagram.
Rocky Mount.
Tyner.
Chapel Hill.
Albemarle.
Biltmore.

Butler, Marion,	Rocky Mount.
Cagle, Bert,	Rutherfordton.
Caldwell, Doris Elizabeth,	Dillon, S. C.
Calhoun, Reba Sara,	Ninety-Six, S. C.
Campbell, Fannie Morgan,	Bullock.
Carter, Emma Ruth,	Henderson.
Case Vivian,	Farmville.
Casey, Bertha,	Goldsboro.
Cashion, Minnie,	Mooreville.
Cates, Claudia Mae,	Chapel Hill.
Cauble, Roxana,	Salisbury.
Cauthen, Lallage Evelyn,	Lancaster, S. C.
Chandler, Laura Beatrice,	Maxton.
Chandler, Lessie Vie,	Virgilina, Va.
Chandler, Ruth Price,	Winston-Salem.
Chandler, Sallie Anne,	Virgilina, Va.
Chaney, Selma Estelle,	Wingate.
Chapman, Mrs. Benjamin Henry,	McFarlan.
Cheek, Elizabeth Warwick,	Henderson.
Cheek, Mrs L. R.,	Chapel Hill.
Clark, Lillian Caroline,	Leicester.
Clarke, Avis Deborah,	Snow Camp.
Clayton, Anna,	Albemarle.
Cohon, Blanche Walker,	Columbia.
Cole, Flossie Banks,	Riggsbee.
Cole, Minnie Helen,	Lilesville.
Cole, Rosa Vella,	Hillsboro.
Collins, Gladys Gillette,	Maysville.
Collins, Veva Merle,	Roper.
Cooke, Ruth Jester,	Elizabeth City.
Cooley, Mildred Vando,	Raleigh.
Cooper, Lillian Arabella,	Mount Olive.
Cooper, Lucy Williams,	Fayetteville.
Cooper, Sophie Ann,	Rocky Mount.
Corbett, Emma Selma,	Whitakers.
Cox, Mary Lily,	Jacksonville.
Cox, Mattie Virginia,	Trenton.
Cox, Zora,	Mount Pleasant.
Craig, Ella Henrietta,	University.
Crain, Mary Esther,	Flag Pond, Tenn.
Crawford, Ava Belle,	Hillsboro.
Crawley, Lillian Annis,	Littleton.
Creighton, Nannie Elizabeth,	Greenwood, S. C.
Cress, Wannie Elizabeth,	Concord.
Crews, Thelma,	North Wilkesboro.
Crisp, Cinnie,	Pinetops.

Croom, Leah Louise,	Magnolia.
Crowder, Aline,	Peachland.
Culpepper, Lucy Lea,	Wilson.
Dark, Aurelia Taylor,	Cedar Grove.
Daughtridge, Hattie Elizabeth,	Nashville.
Davis, Mrs. Mattenaya,	Washington.
Dawson, Lena,	Grifton.
Dawson, Maude Sedalia,	Spray.
Dawson, Mildred Smith,	Trenton.
Deans, Rosa,	Colerain.
Deaton, Madge,	Moorestville.
Dedmon, Ruth Sydnor,	Chase City, Va.
Dempster, Beulah Benton,	Kershaw, S. C.
Dempster, Margaret,	Kershaw, S. C.
Dew, Martha Augustine,	Wilson.
Dixon, Lala Lucy,	Siler City.
Donnell, Cora Turrentine,	Greensboro.
Dosher, Lois,	Southport.
Downs, Vertie Roxana,	Casar.
Duncan, Bertrice Mary,	Edwards Crossroads.
Duncan, Dott Olivia,	Edwards Crossroads.
Duncan, Louise,	Horse Shoe.
Duncan, Mary,	Horse Shoe.
Duvall, Queen Victoria,	Grassy Creek.
Early, Mrs. Alvah,	Aulander.
Early, Ruth Frances,	Louisburg.
Eason, Nina Belle,	Tyner.
Eastwood, Love Matilda,	Alliance.
Eaton, Lucile,	Mocksville.
Edwards, Barbara Owen,	Rocky Mount.
Edwards, Clyde Annie,	Whitehead.
Edwards, Daisy Ophelia,	Marshville.
Edwards, Lois Elizabeth,	Falcon.
Edwards, Mary Wooten,	New Bern.
Edwards, Ruth Costen,	Sunbury.
Eldridge, Mrs. John Grady,	Bentonville.
Elliott, Carrie Lathorpe,	Stony Point.
Elliott, Carrie Lee,	Woodleaf.
Elliott, Helen Catherine,	Rich Square.
Elliott, India Marion,	Rich Square.
Erwin, Irene Cordelia,	Brevard.
Etheridge, Armada,	Manteo.
Etheridge, Eva Mae,	Moyock.
Evans, Bonnybel,	Manteo.
Evans, Willie McDaniel,	Fayetteville.
Faires, Mary,	Greensboro.

Fairley, Beatrice,
Farabow, Morada,
Farless, Fannie Eleanor,
Farrell, Sallie,
Farrior, Hester Ann,
Faulkner, Susie Mae,
Finch, Leita Belle,
Fishel, Pearl Williams,
Fisher, Abbie Lee,
Fitzgerald, Arlene Berrye,
Floyd, Roberta,
Floyd, Rose,
Ford, Annie Lena,
Ford, Madalein Colvert,
Foster, Beulah Ethel,
Frazier, Allene Sara,
Frye, Mildred Lucia,
Fryer, Mrs. Matt Alexander,
Fulford, Leitha,
Fuller, Ruby Madge,
Fulton, Pauline,
FurLOW, Fannie,
Garrett, Cynthia Ogburn,
Garrett, Verna Dare,
Garrison, Sarah Emma,
Gary, Mary Belle,
Gatling, Ella Marie,
Gibson, Kathleen Tabor,
Gibson, Martha Eunice,
Gilliam, Helen Elizabeth,
Gilliam, Kate Elizabeth,
Gillespie, Della,
Gilman, Emaline deMontfort,
Goode, Louise Virginia,
Grambling, Edith,
Grandy, Bernice Willie,
Grandy, Elsie Mae,
Grantham, Elizabeth,
Gray, Fannie,
Greene, Margaret Louise,
Greene, Ora Lee,
Gregg, Valeria Meginney,
Grier, Anna Burwell,
Griffin, Ethel Idell,
Griffin, Jessie,
Griffin, Mary,

Monroe.
Oxford.
Merry Hill.
Parkton.
Warsaw.
Kinston.
Moore, S. C.
Vaughn.
Roseboro.
Hoffman.
Fairmont.
Fairmont.
Four Oaks.
Seaboard.
Salisbury.
Winston-Salem.
Franklinton,
Wilmington.
Gloucester.
Whiteville.
Belew Creek.
Charlotte.
Burlington.
Burlington.
Belmont.
Henderson.
Windsor.
Ruffin.
Laurel Hill.
Windsor.
Windsor.
Rosman.
Shelby.
Clinton.
Orangeburg, S. C.
Poplar Branch.
Grandy.
Rocky Mount.
Raleigh.
Roaring River.
Lillington.
Wilmington.
Harrisburg.
Williamston.
Cerro Gordo.
Shelby.

Grigg, Flossie Flora,
Gulledge, Mamie,
Gulledge, Nannie Eason,
Gulley, Mrs. Riley Ray,
Haigler, Sue Carlton,
Hale, Henrietta,
Hall, Ella Umstead,
Hall, Frank Stacy,
Hall, Mattie Virginia,
Hall, Sarah Kathryn,
Hancock, Lucetta Ray,
Hardy, Mary Alice,
Harker, Bettie Ora,
Harper, Grace Mildred,
Harrell, Lottie Frances,
Harrell, Rosa Dare,
Harris, Blanche Irene,
Harris, Dorothy Lee,
Harris, Minnie Maude,
Harriss, Esther Exum,
Hatcher, Elizabeth Ethel,
Head, Agnes,
Hearne, Josie Leta,
Hedrick, Laura,
Henderson, Josephine,
Heroy, Gladys Pauline,
Hester, Eula Nash,
Hester, Huldah Leath,
Hicks, Mrs. Oscar Vernon,
Hines, Alta Mitchell,
Hines, Rebecca Elizabeth,
Hinkle, Ada Louise,
Hinnant, Mrs. Ruby Manteo,
Hobgood, Vivian Wright,
Hogan, Mary Warren,
Hogan, Pearl Halford,
Hoke, Robert Lee,
Hoke, Mrs. Robert Lee,
Hollifield, Emily Sue,
Hollingsworth, Noma,
Hollister, John Tull, Jr.,
Hollomon, Amber Gayle,
Hopper, Anne Felice,
Horah, Thelma Lucile,
Horn, Ivie Louis,
Hornaday, Bernice,

Shelby.
Wadesboro.
Wadesboro.
Clayton.
Hayesville.
Hickory.
Stem.
Avondale.
Mount Olive.
Shannon.
Chapel Hill.
Amelia, Va.
Morehead City.
LaGrange.
Marshville.
Moyock.
Macon.
Henderson.
Sanford.
Wilmington.
Mount Olive.
Wilmington.
Farmville.
Taylorsville.
Charlotte.
Belmar, N. J.
Hurdle Mills.
Roxboro.
Aberdeen.
Oak City.
Clinton.
Welcome.
Micro.
North Side.
Blackwood.
Blackwood.
Wilmington.
Wilmington.
Caroleen.
Newton.
New Bern.
Elizabeth City.
Chicago, Ill.
Salisbury.
Mocksville.
Maxton.

Horton, Marye Thomas,	Durham.
Houston, Ruth Miles,	Monroe.
Hovis, Lala Janet,	Gastonia.
Howard, Ollie Juanita,	Efland.
Howard, Rachel Eugenia,	Efland.
Howell, Annie Reginald,	Peachland.
Hudson, Dorothy,	Salisbury.
Huggins, Mrs. Beulah Hamilton,	Monroe.
Hughes, Alice Link,	Cedar Grove.
Hunt, Myrtle Annie,	North Wilkesboro.
Inge, Virginia Lee,	Weldon.
Ives, Nellie Virginia,	Grifton.
Jackson, Carra Lessie,	Newton Grove.
Jackson, Olivia,	Cooper.
Jackson, Vi Tera,	Orange.
Jennings, Edna Lutie,	Lynchburg, Va.
Johnson, Isabel James,	Wallace.
Johnson, Mrs. Minnie Hurst,	Arapahoe.
Johnson, Nettie Folger,	Sanford.
Johnson, Vada Holden,	Farmington.
Johnston, Miss Eugene Glenn,	Hayesville.
Jones, Annie Clara,	Wingate.
Jones, Katherine McRobert,	Oxford.
Jones, Mary Elizabeth,	Hillsboro.
Joyner, Laura Anna,	LaGrange.
Justice, Mary,	Charlotte.
Kelly, Mary Alice,	Bladenboro.
Kent, Anne Olivia,	Lenoir.
Ketchum, Nannie Elizabeth,	Jacksonville.
King, Mrs. Lora Wilson,	Mount Olive.
Kinlaw, James Elmer,	Lumberton.
Kiser, Osie,	Bessemer City.
Kitchen, Elizabeth E.,	Scotland Neck.
Kittles, Stella Fuessel,	Garnett, S. C.
Koonce, Ella Glenmoore,	Comfort.
Krantz, Ethel,	Spray.
Lancaster, Siddie Belle,	Goldsboro.
Lane, Bertha Tucker,	New Bern.
Lanier, Bertha,	Rose Hill.
Lanier, Elma Caroline,	Rose Hill.
Lassiter, Elizabeth Edna,	Bethel.
Latta, Elsie Marjorie,	Oxford.
Lawrence, Amelia Lois,	Gates.
Lawrence, Vallie Mae,	Jonesboro.
LeRoy, Marie,	Elizabeth City.
Leak, Katharine Mary,	Wadesboro.

Ledbetter, Hazel Mebane,	Chapel Hill.
Leeson, Bessie Sue,	Nelson, Va.
Lewis, Ruth,	Kerr.
Link, Irene,	Salisbury.
Linville, Bernice,	Kernersville.
Litaker, Beulah Isabell,	Concord.
Little, Sarah Hardison,	Wadesboro.
Long, Edna,	Seaboard.
Long, Grace Elizabeth,	Mebane.
Long, Jesse Melvin,	Mollie.
Long, Naomi Ella,	Chapel Hill.
Long, Reba Thomas,	Seaboard.
Long, Raynor Williams,	Seaboard.
Love, Leah,	Monroe.
Lovett, Lucy Leigh,	Ashboro.
Lowe, Mary Ella,	Stanley.
Lowry, Carrie Belle,	Raleigh.
Lunsford, Blackwell,	Rutherford College.
Lyon, Ollie Ianna,	Creedmoor.
McAnally, Sally,	Madison.
McCain, Mary,	Ashboro.
McClain, Martha,	Rutherfordton.
McColman, Sallie,	McColl, S. C.
McCord, Marian Eliza,	Shelby.
McCrary, Helen Earl,	Lexington.
McCulloch, Julia,	Burlington.
McDaniel, Estella James,	Trenton.
McDowell, Anne Maria,	Scotland Neck.
McFayden, Mary Eliza,	Rae ford.
McGuire, Annie Graves,	Zebulon.
MacKay, Martha Inez,	Buies Creek.
McKeithen, Flora May,	Aberdeen.
McKeithan, Mayme,	Rae ford.
McLauchlin, Anne,	Wagram.
McLean, Kate Elizabeth,	Whitsett.
McLean, Vanessa Margaret,	Aberdeen.
Mangum, Bessie,	Stem.
Mann, Lou Pearl Sarah,	Frosty.
Manning, Ruth Elizabeth,	Sanford.
Markham, Sadie Elizabeth,	Godwin.
Marshburn, Addie Irene,	Wallace.
Martin, Elsie White,	East Bend.
Martin, Mrs. Flora Hutchins,	Elkin.
Martin, Imo Louise,	East Bend.
Martin, Mrs. J. A. Jr.,	Fayetteville.
Martin, Leona Mary,	Yadkinville.

Mason, James Iredell,	Atlantic.
Mason, Michael Anderson,	Atlantic.
Mason, Mamie,	Atlantic.
Masseling, Henriette Marie,	Atlanta, Ga.
Matthews, Ernestine Nina,	Sanford.
Matthews, Margaret Clute,	Clinton.
Mattison, Ruth Evelyn,	Winston-Salem.
Mauney, Marie,	Shelby.
Mayo, Mrs. Jake Goodman,	Fremont.
Mayo, Lucy,	Tarboro.
Meador, Doro Lee,	Reidsville.
Melvin, Alma L.,	Ingold.
Melvin, Lois Memory,	Roseboro.
Merrell, Wilson Franklin,	Mocksville.
Merritt, Hattie Bryan,	Chapel Hill.
Merritt, Lena Evelyn,	Burlington.
Miller, Carrie Julian,	Efland.
Miller, Hazel Skeen,	Biscoe.
Miller, Nell Blythe,	Winston-Salem.
Milliken, Mary Ellen,	Enfield.
Mitchell, Lillian,	Whitakers.
Mizell, Annie Lee,	Roper.
Mizelle, Janice Meredith,	Windsor.
Montgomery, Lena,	Salisbury.
Moon, Lois,	Greensboro.
Moore, Agnes,	Farmville.
Moore, Annie Tucker,	Littleton.
Moore, Katherine Florence,	Boiling Springs.
Moore, Laura,	Branch.
Moore, Mamie,	Wilson.
Moore, Margaret,	Smithfield.
Moore, Nell,	Granite Falls.
Moore, Pearl,	Chesterfield, S. C.
Moore, Sarah,	Chesterfield, S. C.
Morgan, Helen Leona,	Salisbury.
Morris, Clara Cordelia,	Rutherford College.
Morris, Tula,	Farmer.
Moseley, Jane Frances,	Snow Hill.
Moser, Mrs. Early Hampton,	Wendell.
Moyle, Ethel,	Salisbury.
Moyle, Mary Etta,	Salisbury.
Mudge, George Orland,	Columbia.
Munn, Lulu,	Biscoe.
Murchison, Mabel Cameron,	Rocky Mount.
Myrick, Carrie Winifred,	Littleton.
Neal, Rebecca Graves,	Ruffin.

Neece, Laura Edith,
Neece, Marietta,
Nesbitt, Mary,
Neville, Grace Virginia,
Nicholson, Bessie Lee,
Nicholson, Margaret Anne,
Nixon, Sallie Lee,
Norman, Della Dook,
Norman, Hilda,
Norris, Vannie May,
Norton, Lela,
Norwood, Sallie Stovall,
O'Neal, Susan Alice,
Oglesby, Eva Mary,
Osborne, Ida Virginia,
Page, Pauline,
Parker, Edward Larkin,
Parker, Grace,
Parker, Pearl Lillian,
Parks, Virginia Ruth,
Parrish, Blanche Moore,
Parrish, Elma Gertrude,
Paschal, Mary,
Patterson, Janie Evans,
Patton, Sadie America,
Paulsen, Mrs. Anna,
Peele, Erma Burrell,
Peele, Mrs. W. M.,
Pegram, Annie Elizabeth.
Pence, Alexine,
Perkins, Selma,
Perry, Ethel Clyde,
Perry, Mrs. Thad H.,
Peterson, Julia Caldwell,
Petree, Ruth Kathleen,
Phelps, Pearl Lawrence,
Phillips, Ruth Irene,
Pickle, Grace Pauline,
Pickler, Ruth Cecilia Ellen,
Picot, Marietta,
Pinner, Viola,
Pittard, Hettie Garner,
Pleasants, Sallie Wilson,
Pope, Clara Undine,
Pope, Sue Ellen,
Poplin, Lectie Irene,

Climax.
Climax.
Gaffney, S. C.
Chapel Hill.
Maxton.
Maxton.
Lincolnton.
Goldston.
Salisbury.
Holly Springs.
Cullowhee.
Bullock.
Blenheim, S. C.
Harrisburg.
Mouth of Wilson, Va.
Autryville.
Leland.
Murfreesboro.
Clinton.
Kannapolis.
Middleburg.
Winston-Salem.
Siler City.
Laurinburg.
Morganton.
Chapel Hill.
Aulander.
Aulander.
High Point.
Rockingham.
Wendell.
Plymouth.
Pittsboro.
Kerr.
Germanton.
Mebane.
Fountain Inn, S. C.
Spencer.
Spencer.
Como.
Columbia.
Nelson, Va.
Aberdeen.
Scotland Neck.
Wadesboro.
Albemarle.

Posey, Dolly Erwin,
Poston, Willie,
Powell, Nell Thomas,
Pratt, Agnes Theresa,
Pratt, Mrs. Franklin Pierce,
Price, Katie May,
Price, Lois Elizabeth,
Pridgen, Maude,
Pridgen, Rosa Clea,
Pridgen, Mrs. William Henry,
Pringle, Mrs. Alonzo Josephine,
Pritchard, Lillian Irene,
Pritchette, Lou Eva,
Pruden, Mary Elizabeth,
Pruden, Nannie Jenkins,
Purvis, Frances Masura,
Quinn, Mrs. Frances Brooks,
Ramsey, Norma Lee,
Rascoe, Lillian May,
Ratcliffe, Martha Anderson,
Ray, Manna,
Rector, Beatrice Kathleen,
Redfearn, Margaret Rebecca,
Redmon, Ethel Mae,
Reid, Eliza,
Respass, Elsie Stewart,
Reynolds, Annabel,
Rhem, Kathleen Douglas,
Rice, Beatrice Alpha,
Ricks, Blanche Virginia,
Riddick, Margaret Ann,
Riser, Mrs. Y. VonA.,
Robinson, Albert Ernest,
Robinson, Essie Lea,
Robinson, May,
Roseman, Forney,
Rothrock, Carrie Davidson,
Rouse, Roxie Heflin,
Rowland, Winnie Mae,
Ruffin, Ruth Lane,
Saine, Jennie Johnston,
Satterfield, Clyde,
Satterfield, Nannie Bradsher,
Sawyer, Zoe,
Scott, Elizabeth,
Scott, C. Louise,

Greensboro.
Mooreville.
Bynum.
Madison.
Boxwood, Va.
Price.
Reidsville.
Norwood.
Elm City.
Elm City.
Campbell.
Weeksville.
Elon College.
Windsor.
Windsor.
Scotland Neck.
Rose Hill.
Marshall.
Reidsville.
Reidsville.
Raeford.
Glade Valley .
Hartsville, S. C.
Marshall.
High Rock.
Pantego.
Columbus, Ga.
Dover.
Asheville.
Pantego.
Trotville.
Rural Hall.
Falcon.
Hickory.
Sanford.
Lincolnton.
Rockwell.
Rose Hill.
Rocky Mount.
Tarboro.
Lincolnton.
Goldsboro.
Durham.
Eure.
Raleigh.
Raleigh.

Seawell, Nan Lou,
Sellars, Vivian Grey,
Sexton, Stella McLean,
Sheridan, Hart,
Sherrod, Patty,
Shoaf, Mary,
Simons, Maude Janet,
Simpson, Ada,
Simpson, Eva Blanche,
Singletary, Gladys Rectina,
Sink, Mattie Florence,
Sitterson, Lillie Murden,
Sitterson, Nina Louise,
Sledge, Ida Laura,
Sloop, Gladys Lee,
Small, Mrs. Charles Onslow,
Smathers, Ola,
Smith, Elizabeth,
Smith, Elizabeth Julia,
Smith, Janet,
Smith, Laura Etta,
Smith, Louise,
Smith, Pansy Marion,
Smithey, Mamie,
Smithwick, Ineze,
Southerland, Elizabeth Rose
Sparger, Elsie,
Sparger, Margaret Case,
Speed, Ellen Edmonson,
Spruill, Eva Clayrane,
Spruill, Mrs. William Ela,
Spurgeon, Carrie Mae,
Stacy, Elsie Viola,
Stancill, Anna Corado,
Starnes, Carrie Belle,
Stell, Lucille Christine,
Stell, Ruby Louise,
Stephens, Annie Irene,
Stephens, Mabel Clair,
Stephens, Mabel Frances,
Stevens, Ina Kathryne,
Stewart, Janet,
Stewart, Mary Eliza,
Stilley, Violet Adele,
Stockard, Eunice Loraine,
Stone, Nora Gertrude,

Candor.
Henderson.
Lillington.
Greenwood, S. C.
Hamilton.
Mooresville.
Colerain.
Haw River.
Jacksonville.
Lake City, S. C.
Winston-Salem.
Plymouth.
Plymouth.
Weldon.
China Grove.
Siler City.
Canton.
Bowden.
Davidson.
East Durham.
Liberty.
Davidson.
Harrellsville.
Weaversford.
LaGrange.
Henderson.
Mt. Airy.
Mt. Airy.
Scotland Neck.
Creswell.
Creswell.
Hillsboro.
Marion.
Selma.
Granite Falls.
Zebulon.
Zebulon.
Ruffin.
Holly Springs.
Semora.
Goldsboro.
Mocksville.
Laurinburg.
Washington.
Saxapahaw.
Morrisville.

Story, Frances Cross,	Eure.
Stough, Lucy Elizabeth,	Cornelius.
Stowe, Hattie Cleveland,	Lowell.
Strachan, Mildred,	Salisbury.
Strader, Lucy Kate,	Walnut Cove.
Stuart, Ellen May,	Carthage.
Suther, Virginia Young,	Goldsboro.
Swann, Isabelle Inez,	Wilmington.
Swanner, Elinor Emma,	Richmond.
Tabor, Sara Margaret,	Henrietta.
Tate, Mattie M.,	Old Fort.
Sykes, Leander Edward,	Mebane.
Taylor, Gladys Brownrigg,	Wilmington.
Taylor, Mary Anna,	Oxford.
Taylor, Mary Wright,	Wilmington.
Taylor, Nannie Louise,	Grifton.
Taylor, Ruth Carrow,	Dunn.
Temple, Beulah Pauline,	Dunn.
Terrell, Leonie,	Cedar Grove.
Terry, Dulcie,	Rocky Mount.
Tew, Martha Adalene,	Darlington, S. C.
Thomas, Erra Jane,	Winston-Salem.
Thomas, Pauline Geneva,	Broadway.
Thompson, Ada Estelle,	Hillsboro.
Thompson, Mamie Adelaide,	Denton.
Thompson, Ruby Neal,	Lumberton.
Thorn, Marie,	Kingstree, S. C.
Thorn, Rubie Logan,	Kingstree, S. C.
Tillitt, Bess Sanderlin,	Belcross.
Tingle, Ada Mary,	Grantsboro.
Tisdale, Effie Hamilton,	Clarksville, Va.
Tomlinson, Lillie,	Lucama.
Topping, Martha Elizabeth,	Pantego.
Topping, Sophronia Barfield,	Belhaven.
Townsend, Ruth,	Chapel Hill.
Tripp, Nora Lea,	Chapel Hill.
Trollinger, Sayde Alberta,	Burlington.
Trotter, Hallie Elizabeth,	Charlotte.
Tucker, Lottie Elizabeth,	Milton.
Turnage, Lucy Virginia,	Wilsons Mills.
Tyson, Leona,	Farmville.
Tyson, Mary Glenn,	Carthage.
Umstead, Reda Mae,	Stem.
Uzzell, Sallie Melba,	Seven Springs.
VanLandingham, Mrs. Chester Glenn,	Wilmington.
Vaughan, Hattie Evelyn,	Clarksville, Va.

Vaughan, Maude,	Cedar Grove.
Vickrey, Lucy McGee,	Jamestown.
Waddell, Elizabeth Nash,	Manchester.
Waddell, Katherine Mason,	Manchester.
Waddell, Winifred Davis,	Manchester.
Walker, Lena Estelle,	Burgaw.
Waller, Flora Emerson,	Mount Olive.
Waller, May Baldwin,	Durham.
Ward, Bertha Mae,	Parmelee.
Ward, Ruby Belle,	Fairmont.
Warren, Bessie Hill.	Edward.
Warren, Lila Ruth,	Wilson.
Watkins, Martha Elizabeth,	Blanch.
Watson, Mrs. Mattie Caldwell,	Jonesboro.
Weatherly, Mrs. Eloise Walker,	Kernersville.
Webb, Mary Katherine,	Stem.
Weeks, James Edward,	Whitakers.
Weir, Barbara,	Elkin.
Wells, Blanche,	Elm City.
Wells, Hortense,	Elm City.
Wendt, Kathleen,	Wilmington.
Whisnant, Winfred Edward,	Woodland.
Whitaker, Katherine Helen,	Battleboro.
White, Janet Paull,	Scotland Neck.
White, Lizzie Lee,	Hobbsville.
White, Mary Newby,	Belvidere.
Whitehead, Nettie,	Enfield.
Whitehurst, Lilly Belle,	Wilson.
Whitley, Eloise Martha,	Wendell.
Whitted, Molly Lewis,	Durham.
Widenhouse, Fannie Pearle,	Concord.
Wilkins, Bettie,	Linden.
Wilkinson, Alice M.,	Goldsboro.
Williams, Fannie Myrt,	Williamston.
Williams, Grace F. E.,	Tabor.
Williams, Viola Jane,	Wallace.
Williams, Winslow Edward,	Carrboro.
Wilson, Verde,	Washington, D. C.
Wolfey, Helen Augusta,	Gatesville.
Womble, Ethel,	Chapel Hill.
Wommack, Elmira Linnie,	Scotland Neck.
Wommack, Mabel Lucy,	Scotland Neck.
Wood, Florence Carson,	Fayetteville.
Wood, James Clyde,	Fayetteville.
Woods, Mrs. Henry Pratt,	Cedar Grove.
Woods, Maggie C.,	Greenville, S. C.

Woody, Zora Ellinor,	Laurel Springs.
Wooten, Ruth Allen,	Whiteville.
Wooten, Vera Catherine,	Cameron.
Wootten, Frances Fuller,	Reidsville.
Wrenn, Mayme Clarice,	Leaksville.
Wright, Cornelia,	Ruffin.
Wright, Gladys Virginia,	Maxton.
Yarboro, Lelia May,	Hope Mills.
Young, Annie Willard,	Mars Hill.
Young, Charlotte Raburn,	Asheville.

DEMONSTRATION SCHOOL PUPILS

Battle, Dick.	Ferrell, Roderick.
Best, Romulus.	Fields, Glenn.
Boney, Eunice.	Fields, Theo.
Boney, Harvey.	Fowler, Gardner.
Boone, Stephen.	Fowler, Joseph.
Boothe, Frank.	Garrison, Oliver.
Boothe, Wallace.	Haney, Ted.
Boyd, Deette.	Haney, Ethel.
Boyd, Warner.	Harne, Bucannon.
Boyd, Willard.	Harward, Madge.
Brockwell, Effie.	Harward, Mamie.
Brockwell, Joanna.	Herndon, Mary.
Brockwell, Lessie.	Hocutt, Ruth.
Brockwell, Lyda.	Honeycutt, Margaret.
Brown, Madaline.	Hudson, Albert.
Brown, Otway.	Huggins, Lil Kirk.
Buice, Clarence.	Hunter, Thomas.
Burch, Virginia.	Johnson, Billy.
Canada, Bill.	Johnson, Francis.
Carson, Ada.	Johnson, Richard.
Cate, Eugene.	Keith, Kenneth.
Cate, Noel.	Keith, Stonewall.
Clark, Brodis.	Lacock, Helen.
Cone, Mabel.	Lee, Ruth.
Daggett, Billy.	Leigh, Mae.
Daggett, Mary.	Lloyd, Herman.
Dodson, Ruby.	Lloyd, Mary.
Dorsett, Henry.	McKnight, Madeline.
Dorsett, James.	Merritt, Janie.
Durham, Betty.	Merritt, Mildred.
Durham, Dee.	Mitchell, Dewey.
Durham, Jack.	Moser, Bill.
Elliott, Virginia.	Moser, Earl.
Ferrell, Ruth.	Moser, Rom.

Neal, Ernest.	Royster, Chauncey.
Neville, Duncan.	Royster, Martha.
Neville, Frances.	Sugg, Willie.
Neville, Noble.	Sparrow, Charlie.
O'Briant, Joe.	Sparrow, Ernest.
Odum, Eugene.	Sparrow, Jesse.
Parker, Koeller.	Sparrow, Lewis.
Paulsen, Abby Laura.	Sparrow, Mabel.
Paulsen, Samuel.	Sparrow, Nancy.
Pendergraft, Bessie.	Steiner, Frederick.
Pendergraft, Katherine.	Stone, Louise.
Presnell, Edith.	Stone, Robert.
Presnell, Evelyn.	Summerell, Marie.
Presnell, Vera.	Taylor, Jack.
Presnell, Loyce.	Taylor, Louise.
Price, Mary.	Taylor, Rene B.
Prouty, Frederick.	Taylor, Willie Mae.
Prouty, William.	Teague, Taft.
Pickard, Ruth.	Uzzell, Elizabeth.
Powell, Evelyn.	Uzzell, Francis.
Poythress, Thelma.	Wall, Sidney.
Ray, Edward.	Weaver, Billy.
Ray, Joffre.	White, Elizabeth.
Ray, Margaret.	Whitt, Herbert.
Ray, Warren.	Whitt, John.
Ray, William.	Williams, Eleanor.
Register, Irene.	Wills, C. B.
Rice, Phil.	Winston, George.
Rigsbee, Bruce.	Wood, Bryan.
Riggsbee, Cullen.	Yonce, Eileen.

CORRESPONDENCE STUDENTS

Credit

Absher, Darius Cleveland, M.D., 1909, University of Maryland.	Knoxville, Tenn.
Adams, Sarah G.	Statesville.
Adkins, Robert Franklin,	Chapel Hill.
Alderman, Bessie,	Wilmington.
Alexander, Corine,	Stony Point.
Allen, Rachael,	Thelma.
Anderson, Pearl,	Gibsonville.
Andrews, Claude M.,	Trinity.
Arrowood, Julia, A.B., 1919, Flora Macdonald College.	Red Springs.
Avera, Carolyn, A.B., 1922, Trinity College.	Smithfield.
Bailey, Ethel Maude,	Cherryville.

Baker, Lelia,
 Ball, Perry A.,
 Bannerman, Mrs. Fannie,
 Baxter, Mrs. Kathleen Petty,
 Beavers, George M.,

A.B., 1898, Wake Forest College.

Beck, Asa Lawrence,
 Bell, Allen J.,
 Bell, Eva J.,
 Bell, Robert P.,
 Benham, Claude G.,
 Benham, Mrs. Claude G.,
 Beougher, Alma,
 Berry, W. C.,
 Blackwelder, Robert Guy,
 Blackwelder, E. Ruth,
 Blodgett, Nellie E.,
 Boney, Mrs. Harvey,
 Booth, Hubert E.,
 Bostick, May T.,
 Bowen, Hilary T.,
 Boyd, Pearl,
 Brame, John,
 Bramlett, M. V.,
 Brandt, B. B.,

B.S., Mississippi A. & M. College, 1917.

Bridgers, Olivia L.,
 Brown, Benjamin McC.,

B.S., 1919, Davidson College.

Buffaloe, Norman B.,
 Burgess, Fred Ross,
 Burgess, Nellie,
 Byrd, Pearl,
 Byrd, W. T.,
 Carroll, Bascom R.,
 Carwile, Alice Putney,
 Cassada, Mrs. Mattionette Picot,
 Chadwick, Neva P.,
 Chapin, Harlow Leon,
 Cheek, Grace A.,
 Chiswell, William Bellamy,
 Clark, Lillian,
 Clauss, George A.,
 Coble, Scott B.,
 Coffey, Carl Sylvester,
 Cooper, Sophronia M.,
 Craig, Bertie H.,

Lawndale.
 Burnsville.
 Rose Hill.
 High Point.
 Apex.

Horse Shoe.
 Hayesville.
 Mt. Mourne.
 Concord.
 Fort Sill, Oklahoma.
 Fort Sill, Oklahoma.
 Graham.
 Murphy.
 Concord.
 China Grove.
 Stanfield.
 Rose Hill.
 Chapel Hill.
 Laurinburg.
 Oak City.
 Hickory.
 Durham.
 Waynesville.
 Washington.

Potecasi.
 Cornelius.

Raleigh.
 Ramseur.
 Raleigh.
 Cardenas.
 Glen Alpine.
 Ranger.
 Kinston.
 Littleton.
 Raleigh.
 Chapel Hill.
 Burlington.
 Wilmington.
 Leicester.
 Waxhaw.
 China Grove.
 North Wilkesboro.
 Oxford.
 Gastonia.

Craig, William Gilbert,
 Craig, Mrs. William Gilbert,
 A.B., 1917, Greensboro College.

Crain, Edward H.,
 Cunningham, Bertha,
 Creighton, Nannie,
 A.B., 1911, Lander College.

Crouse, Isa A.,
 Cutler, L. H. III,
 Cooper, David Jackson,
 Currin, Joe B.,
 A.B., 1913, Wake Forest College.

Daniel, Charles Floyd,
 B.S., 1922, Furman University.

Daniel, Mrs. Van W.,
 Darby, Mrs. Laura,
 Deaton, Madge,
 Decker, Joyce,
 Dellinger, Edna G.,
 Dillard, Mrs. George S.,
 Dorsett, Bessie Husketh,
 Douglas, Maude,
 Duncan, Louise,
 Duncan, Mary,
 Dupree, Benjamin Owens,
 A.B., 1922.

Eaker, Charles L.,
 Eldridge, Harvey A.,
 Elliott, Julia,
 Faison, Isabel,
 Ferrell, Gertrude,
 Fleming, Ruth,
 Floyd, L. H.,
 A.B., Furman University, 1915.

Freeman, James N.,
 Gainey, Kate M.,
 Gainey, Mattie Lee,
 Garlick, Edna E.,
 Gibbs, Emma J.,
 Glenn, Willis M.,
 Godwin, Cleva,
 Goodman, Fannie E.,
 Goodwin, Omer K.,
 Greene, Annie Minda,
 Gregg, Valeria M.,
 Grier, Rufus A.,
 A.B., 1911, Erskine College.

Griffin, Mary Marion,

Wadeville.
 Wadeville.

Broadway.
 Franklin.
 Greenwood, S. C.

Winston-Salem.
 New Bern.
 Henderson.
 Roxboro.

Landrum, S. C.

Ruffin.
 Saluda.
 Mooresville.
 Marion.
 Cherryville.
 Whittier.
 Ore Hill.
 Rocky Mount.
 Snow Hill.
 La Grange.
 Plymouth.

Cherryville.
 Bentonville.
 Grifton.
 Rocky Mount.
 Bailey.
 Boonville.
 Littleton.

Stanley.
 Manson.
 Dunn.
 Wadesboro.
 Linden.
 Lincolnnton.
 Godwin.
 Mt. Ulla.
 Falkland.
 Wakefield.
 Wilmington.
 Charlotte.

Bullock.

Guffey, Julia Esther,
Gooding, Guy V.,
Gorham, M. C.,
Gullick, Jonathan Greene,
Hamrick, Forrest W.,
Harris, Ollie Augusta,
Harvin, Kate Kirven,
Hash, J. B.,
Hassell, Mrs. C. B.,
Hatcher, Mrs. J. T.,
Hatcher, Pearl,
Hayes, Mrs. W. R.,
Hendren, Dorcas,
Hicks, Everitt Lee,
Hinshaw, Harvey D.,
Hoffner, Benjamin Ivey,

A.B., 1921.

Honeycutt, C. B.,
Hood, Ethel,
Horton, Mrs. Lidie P.,
Horton, S. F.,
Huff, John W.,

B.A., Furman University, 1911.

Hughes, Alice L.,
Ivey, Clara Mae,
James, M. A.,
Jenkinson, Annie,
Johnston, Mary Lee,
Joyner, Claude Reuben,

A.B., 1920.

Kemp, Mary Owen,
Kent, Florida Freeman,
Kidd, Mary Frix,
Lackey, Lillie S.,
Lacy, Frances,
Lacy, Nan,
Lance, Helen E.,
Latimer, Kate P.,
Lawrence, Joula Lones,
Lentz, Ada,
Lincoln, Ethel,
Linn, Ruth Harding,
Linney, Mrs. James C.,
Lilly, Mrs. Lilly U.,
Llorens, Fernando,
Long, Mrs. David T.,
Long, Rebecca,

Bostic.
Kinston.
Rocky Mount.
Belmont.
Shelby.
Spring Hope.
Manteo.
Piney Creek.
Williamston.
Canton.
Summerfield.
Woodsdale.
Hiddenite.
Wise.
Rutherford College.
Hookerton.

Raleigh.
Lake Waccamaw.
High Point.
Lenoir.
Burnsville.

Cedar Grove.
Mt. Olive.
Paint Fork.
Manteo.
Troutman.
Winston-Salem.

Fayetteville.
Newland.
Concord.
Fallston.
Raleigh.
Raleigh.
Hemp.
Pageland, S. C.
Wake Forest.
Almond.
Rose Hill.
Landis.
Newland.
Oakboro.
Savannah, Georgia.
Hurdle Mills.
Norlina.

Loy, William L.,
 Luther, Mamie,
 Mabry, Lewis E.,
 McDonald, A. M.,
 McKeown, H. H.,
 MacMillan, Annie Lou,
 B.L., 1920, Flora Macdonald College.

Mann, G. W.,
 A.B., 1920.

Martin, Lecy,
 Martin, Roger B.,
 *Mayo, Mrs. Mamie V.,
 * Deceased.

Mecum, Ernest J.,
 Mendenhall, Mrs. E. P.,
 Miller, Mary Lee,
 Miller, Simon Peter,
 Mills, Mary,
 Moore, Clifton L.,
 Moore, Elizabeth,
 Morris, Mrs. Frank W.,
 Moose, Nancy Elizabeth,
 Moser, Claude,

 A.B., 1921, Trinity College.

Moss, Z. V.,
 Newton, John C.,
 Odom, Tiny M.,

 A.B., 1917, Columbia College.

Oliver, Dan B.,
 Padgett, Mrs. Nannie Hipp,
 Page, Mrs. Ernest B.,
 Parker, Pearl Putnam,
 Patrick, Jack Quinerly,
 Patrick, Malcolm Lacy,
 Peek, Meda,
 Perrett, Mary,
 Pickens, Nell,
 Pollock, A. L.,
 Powell, L. C.,
 Price, Evelyn L.,
 Prickett, Allie,
 Pharr, Jessie Smook,

 B.P., 1909, N. C. C. W.

Ray, Mrs. O. L.,
 Reavis, Peter Augustus, Jr.,
 Rhyne, W. R.,
 Rice, Alma Lane,

Zebulon.
 Apex.
 Stanfield.
 Charlotte.
 Pilot Mountain.
 Matthews.

Winston-Salem.

Altamahaw.
 Winston-Salem.
 Royal.

Plumtree.
 Goldsboro.
 Hamptonville.
 Elk Park.
 Polkton.
 Leaksville.
 Spray.
 Gastonia.
 Stedman.
 Cherryville.

Albemarle.
 Shelby.
 Gibson.

Lumberton.
 Charlotte.
 Fountain.
 Benson.
 Grifton.
 New Hill.
 Mars Hill.
 Faison.
 Gastonia.
 Butler, Tennessee.
 Smithfield.
 Monroe.
 Duke.
 Wilkesboro.

Raleigh.
 Chapel Hill.
 Stanley.
 Spring Hope.

Riggins, Eunice M.,
Roberts, O. E.,
Rourk, W. A., Jr.,
Rudd, William Lee,

A.B., Guilford College, 1922.

Runnion, Helen,

A.B., 1921, Tusculum College.

Sadler, Maude Frew,

A.B., 1919, Winthrop College.

Satterfield, Byrd Isaac,

Serl, Cyrus Meredyth,

Slayton, Bessie,

Snider, Albert M.,

Spear, Randolph,

Stabler, Mrs. J. M.,

Stafford, Hazel,

Stallings, Mary Ray,

Steele, Wyeth C., Jr.,

Stephens, Susan,

Stephenson, S. H., Jr.,

Stewart, Charles D.,

Stribling, J. H.,

Stringfield, Mrs. J. H.,

Swain, H. L.,

Swain, Julian Haywood,

Sykes, Grace Lawrence,

Taylor, Wilma R.,

Thompson, Agnes,

Thompson, R. A.,

Ticknor, Mrs. F. O.,

Tilley, Nannie M.,

Tilson, Joe Q.,

Tipton, Lucy,

Tucker, F. M.,

Tucker, Harry Z.,

Turner, Samuel Monroe,

Umberger, Margaret,

Wagg, Elizabeth McA.,

Walker, Mrs. James LeRoy,

Walker, Robert P.,

Warlick, William Farel,

Warren, Pencie Creece,

Watson, Fawn,

Welborn, A. B.,

Welch, Oscar Blaine,

S.B. in Geology, 1921.

Welker, Mrs. H. A.,

Gastonia.

Cullowhee.

Shallotte.

Burlington.

Aurora.

Rock Hill.

Hurdle Mills.

Southern Pines.

Poplar Branch.

Cherryville.

Kinston.

Asheville.

South Mills.

Louisburg.

Mt. Olive.

Charlotte.

Chapel Hill.

Edenton.

Atlanta, Georgia.

Bridgeton.

Washington.

Chapel Hill.

Wadesboro.

Kershaw, S. C.

Lenoir.

Aurora.

Monroe.

Bahama.

Marshall.

Chadbourn.

Roper.

Madison.

North Wilkesboro.

New Bohemia, Va.

Stony Point.

Rockingham.

Kerr.

Conover.

Edenton.

Marietta.

High Point.

Calypso.

Salisbury.

Whitaker, Elizabeth Lewis,
 White, Marvin E.,
 Whitener, Mrs. J. B.,
 Wiggins, John W.,
 Wilcox, T. N.,
 Williams, Frances,
 Williams, Jane Hodges,
 Willis, Nettie Pearl,
 Wilson, Lora,
 Wilson, Mamie,
 Wilson, Sadie Follet,
 Wilson, Verde,
 Wood, David Moses,
 Woody, Zora E.,
 Wordsworth, James Dalton,
 Worthington, Dolly,
 Wright, G. A.,
 Yarboro, Lelia M.,
 Yokeley, Lema Mary,
 Young, Robert Cleveland,

Littleton.
 Statesville.
 Cornelius.
 Bryson City.
 Tryon.
 Kinston.
 Dunn.
 Henry.
 Mt. Olive.
 Asheville.
 Rural Hall.
 Lexington.
 Garner.
 Laurel Springs.
 Whitakers.
 Mebane.
 Liberty.
 Oak City.
 Woodleaf.
 Red Oak.

CORRESPONDENCE STUDENTS

Non-Credit

Allen, Archie Gray,
 Andrews, William Parker,
 A.B., 1919.

Aycock, Mrs. Frank B.,
 Brown, Annie Louise,
 Cobb, Nellie W.,
 Cooper, Lenox Gore,
 A.B., 1921.

Elliott, Leona Nora,
 Giersch, Mrs. Richard F.,
 Henry, Mrs. Bessie Harding,
 Holoman, Mrs. Pattie Vaughn,
 Hoyle, Nannie P.,
 Kendrick, Mrs. S. T.,
 Lineberry, Richard Arthur,
 Moody, Bessie E.,
 Morrison, Hazel,

A.B., 1908, Flora Macdonald College.
 Romefelt, B. W.,
 Russell, Mrs. Lucy H.,
 Schenck, Mrs. John T.,
 Thompson, Charles C.,
 Van Noppen, Mrs. Pearl Pratt,
 Wilkins, Mrs. J. D.,

Winston-Salem.
 Hendersonville.

Fremont.
 West Durham.
 Goldsboro.
 Wilmington.

Lattimore.
 Raleigh.
 Chapel Hill.
 Rich Square.
 Carthage.
 Fallston.
 Durham.
 Asheville.
 Maxton.

Asheville.
 Rockingham.
 Lawndale.
 Graham.
 Madison.
 Greensboro.

CORRESPONDENCE STUDENTS (1922)

*(Registered after Catalogue was printed)***Credit**

Beddingfield, Mrs. Clarence L.,	Raleigh.
Bunn, Mrs. Fred P.,	Tarboro.
Choate, Mary Willie,	High Point.
Cook, Mary Wood,	Elizabeth City.
A.B., 1916, Queens College.	
Cunningham, Esther,	Almond.
Dixon, Louise H.,	Red Springs.
B.M., 1917, Flora Macdonald College.	
Gluyas, Lucy,	Charlotte.
Harris, Ruth,	Hurdle Mills.
Hubbard, Hope,	Farmer.
Lamm, Mary A.,	Lucama.
Lamont, Mrs. Rebecca Freeman,	Stoneville.
Latta, Huldah G.,	Salisbury.
LeGrand, Rufus L.,	Wilmington.
Liles, Lawrence Poland,	Wilson Mills.
Lingerfeldt, T. Clinton,	Bessemer City.
Logan, Mary,	Long Island.
Love, Claude Lorraine,	Murphy.
McCrackan, Walter Clay,	Whiteville.
McPherson, Elizabeth Gregory,	Shiloh.
McLeod, Mrs. Hinton,	Concord.
Milam, Emily B.,	Grifton.
Norris, Mrs. J. W.,	Brownwood.
Odell, Mrs. Viola,	Salisbury.
Reynolds, Fannie O.,	Randleman.
Rogers, Exum A.,	Durham.
Self, Mrs. Z. V.,	Charlotte.
Singleton, Mrs. Lizzie,	Clarkton.
Tack, Katherine M. W.,	Rainbow Lake, N. Y.
Taylor, Mrs. Adah Bradford,	Charlotte.
Teabeant, Mrs. James R.,	Fayetteville.
Valentine, Dora L.,	Mt. Airy.
Walton, Louise C.,	Morganton.

Non-Credit

Gold, John Charles,	Tillery.
Hines, Mrs. Leone H.,	Kinston.
Hughes, Aline E.,	Henderson.
A.B., 1921.	
Osborne, Daisy L.,	Worthville.
Solloway, Ethel,	Durham.
Swaringen, Richard S.,	Albemarle.
Youngblood, Thomas S.,	Cooleemee.

SUMMARY OF STUDENTS, 1922-1923

GRADUATES: 93

UNDERGRADUATES:

Seniors	146
Juniors	222
Sophomores	444
Freshmen	676

SPECIAL STUDENTS:

Public Welfare.....	6		
Other Specials.....	74	80	1568

SCHOOL OF LAW:

Students (Regular Session)		
Third Year.....	6	
Second Year.....	36	
First Year.....	61	
Special	9	112
Students (Summer, 1922).....	31	31

SCHOOL OF MEDICINE:

Second Year.....	38	
First Year.....	38	76

SCHOOL OF PHARMACY:

Third Year.....	3	
Second Year.....	36	
First Year.....	54	
Specials	2	95

THE SUMMER SCHOOL (1922):

Graduates	195	
Undergraduates	487	682
Normal Students.....	666	
Demonstration Students.....	128	

Total Summer School.....	1476
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THE DIVISION OF EXTENSION:

Correspondence (Credit).....	244	244
Correspondence (Non-Credit).....	21	

Total Correspondence.....	265
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Total Number of Regular Students.....		2901
Deduct for names repeated.....		212
		<hr/>
Net Regular Students.....		2689
Total Number of Normal and Non-Credit Students....	815	
Deduct for changes to Regular Students.....	2	
		<hr/>
Net Normal and Non-Credit Students.....	813	813
		<hr/>
Grand Total (Omitting Duplicates).....		3502

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